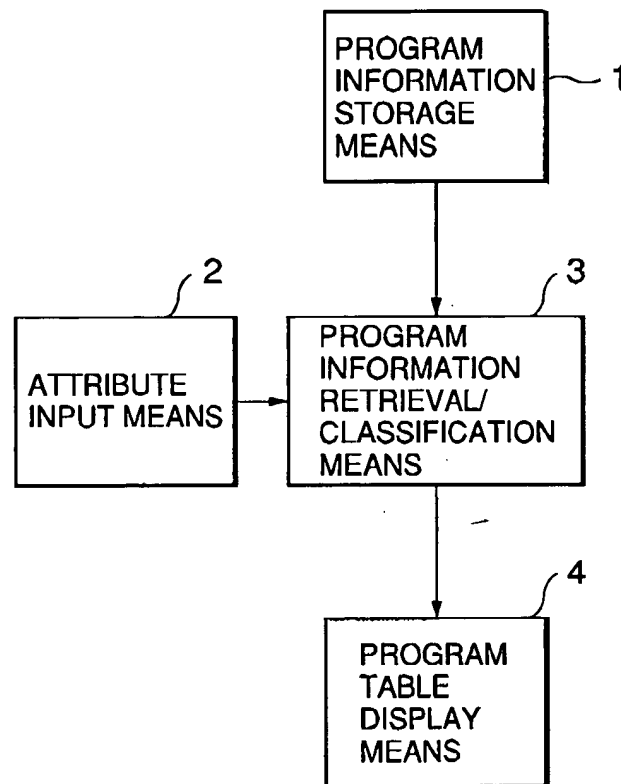


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FIG. 1



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FIG.2

151	152	153	154	155	156	157	158
NIHON TV. 19970531	FRIDAY	17:00	18:00	TV OJAMANBOCHO	MANBOUTOTOKALU	0	OTHERS
NIHON TV. 19970531	FRIDAY	18:00	18:30	(N) PLUS 1/SATURDAY	NEWSCASTER: AKIO ISHIDA, KEI TAKAMI	0	OTHERS
NIHON TV. 19970531	FRIDAY	18:30	19:00	MOGUMOGU	LET'S MAKE A HOMEMADE PIZZA BY JOINING ALL FORCES	0	OTHERS
NIHON TV. 19970531	FRIDAY	19:00	20:54	<S> PRO BASEBALL	KOSHIEEN, HANSHIN-KYOJIN, COMMENTATOR: HIROSHI YAMAMOTO	2	SPORTS
NIHON TV. 19970531	FRIDAY	20:54	21:00	(N) (WEATHER)		0	OTHERS
NIHON TV. 19970531	FRIDAY	21:00	21:54	<S> FIVE	OF ASAMI BEGINNING TO INVESTIGATE A NEW TARGET	3	DRAMA

867020" 90580760

FIG.3A

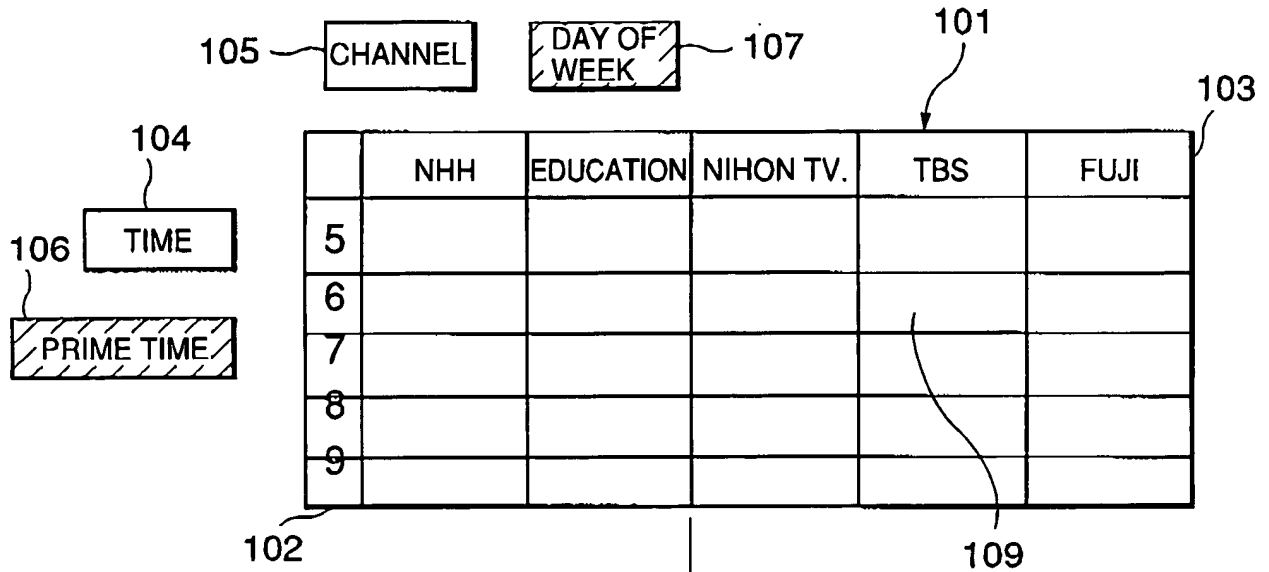


FIG.3B

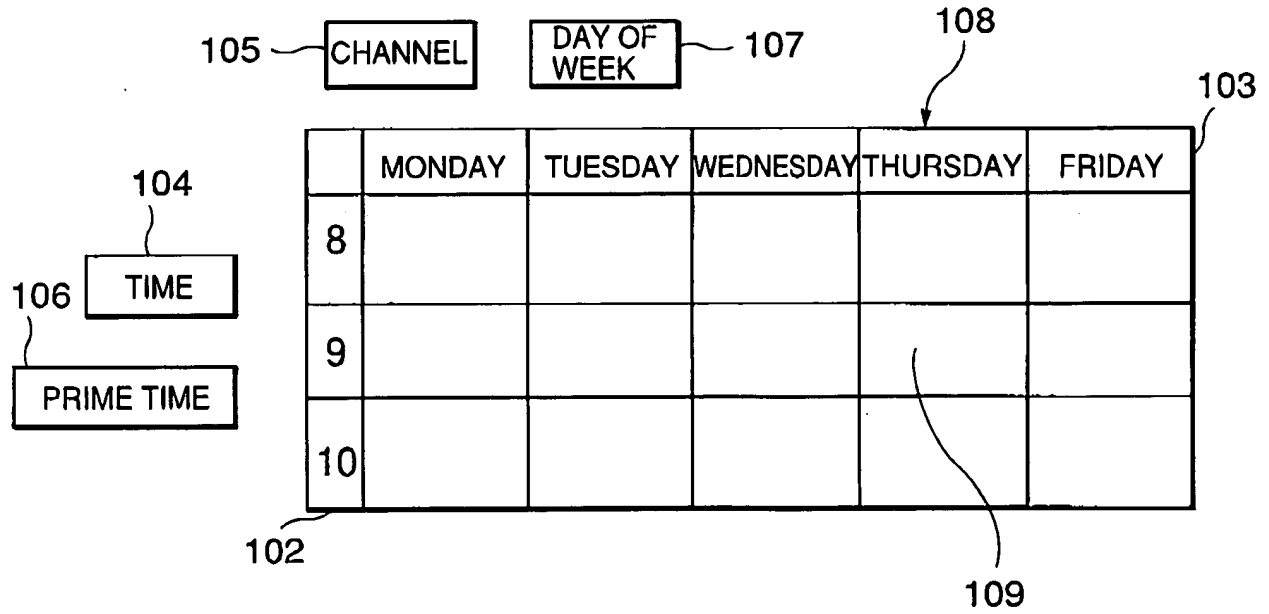


FIG.4A

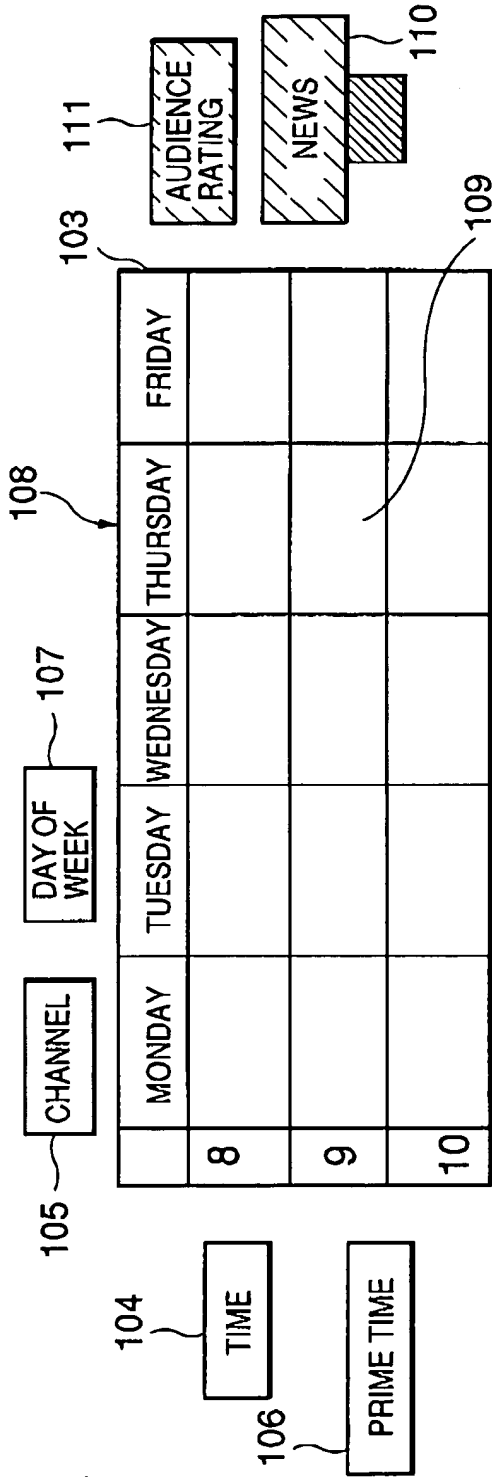
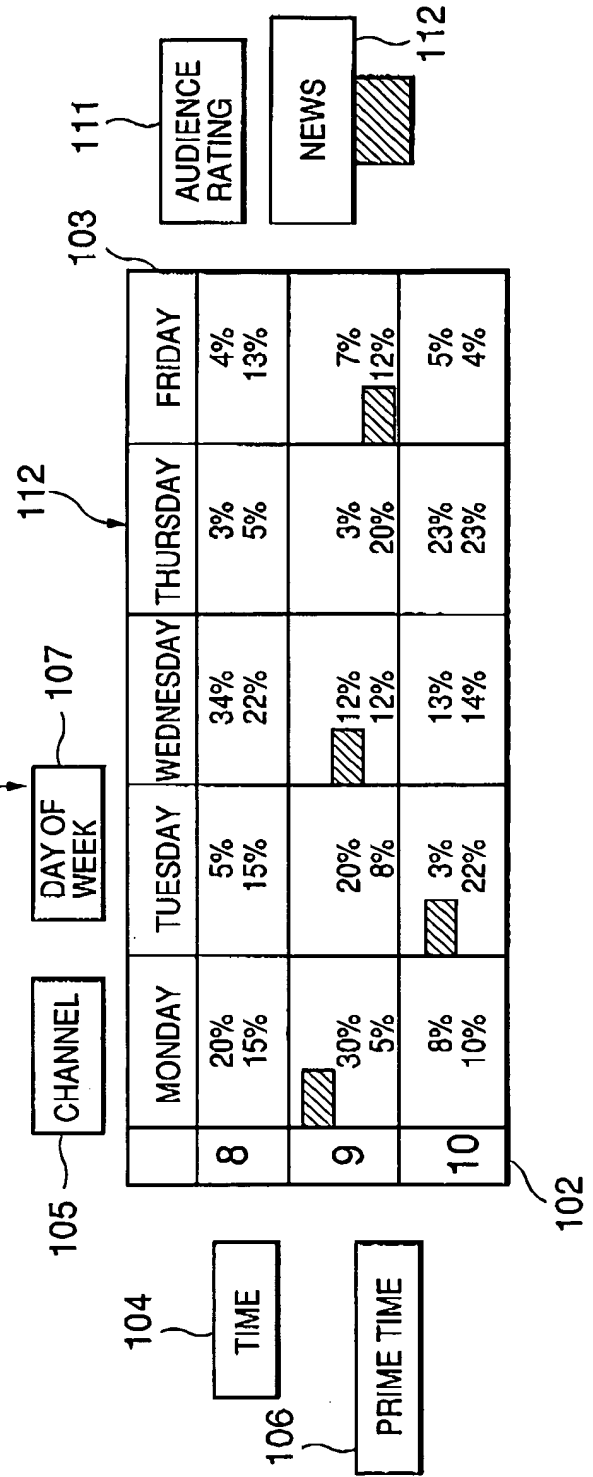


FIG.4B



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FIG.5A

TIME	CHANNEL	TYPE					
	NHK	NHK EDUCATION	NIHON TV.	TBS	FUJI TV.	TV. ASAHI	
18:00					SAZAE SAN		
19:00				BASEBALL KYO-HAN	UNDER ONE ROOF		
20:00	MOURI		GIFT	NEWS 23	SOCCER		
21:00							
22:00						NEWS TODAY	

FIG.5B

TIME	TYPE	CHANNEL						
	MOVIE	DRAMA	MUSIC	SPORTS	NEWS	WEATHER	NON- SECTION	
18:00			⑧LIVE CONCERT	⑥GRAND SUMO TOURNAMENT	⑩NEWS 6	①WEATHER		
19:00								
20:00		①AGURI (REPEAT)		⑧BASEBALL		④WEATHER		
21:00	⑩FOREIGN FILM				②NEWS 9			
22:00						④WEATHER		

FIG.5C

	TYPE AUDIENCE RATING							
	MOVIE	DRAMA	MUSIC	SPORTS	NEWS	WEATHER	NON- SECTION	
OVER 30%		8:00①AGURI						
20%		20:00⑧UNDER ONE ROOF		20:00⑧BASEBALL KYO-HAN				
15%		21:00②GIFT		21:00④ SOCCER	23:00⑥ NEWS 23			
10%		20:00②X-FILE			22:00⑩NEWS STATION			
5%								

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FIG.6A

TYPE PERFORMER

RELATIVE INFORMATION

	MOVIE	DRAMA	MUSIC	SPORTS	NEWS	WEATHER	NON-SECTION
NAMIE AMURO			20:00 ⑧ HEYHEYHEY	14:00 ④PRO BASEBALL : OPENING CEREMONY			
NORIKO KATO		22:00 ④ SHOES OF GLASS					12:00 ⑧WARATTE IITOMO! 19:55 ④MAGICAL ZUNO POWER
RANRAN SUZUKI		19:00 ⑩GHOST STORY					
SMAP		22:00 ⑧DOKU, 22:00 ⑧HE					

FIG.6B

RELATIVE INFORMATION PERFORMER

	CD	BOOK	HOME PAGE
NAMIE AMURO	How to be a girl a walk in the park	AMURO NAMIE PHOTOGRAPH COLLECTION	
NORIKO KATO			http://kato
RANRAN SUZUKI			http://fuji
SMAP	SE	SMAP PHOTOGRAPH COLLECTION	

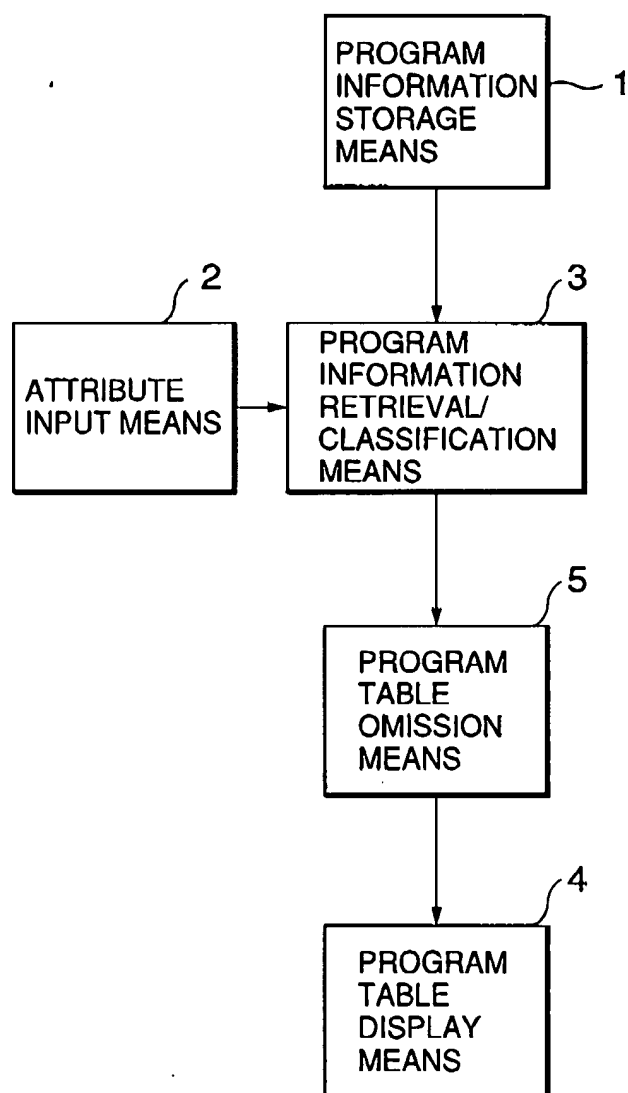
987020 " 9050760

FIG. 7

[illegible]

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FIG.8



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FIG.9A

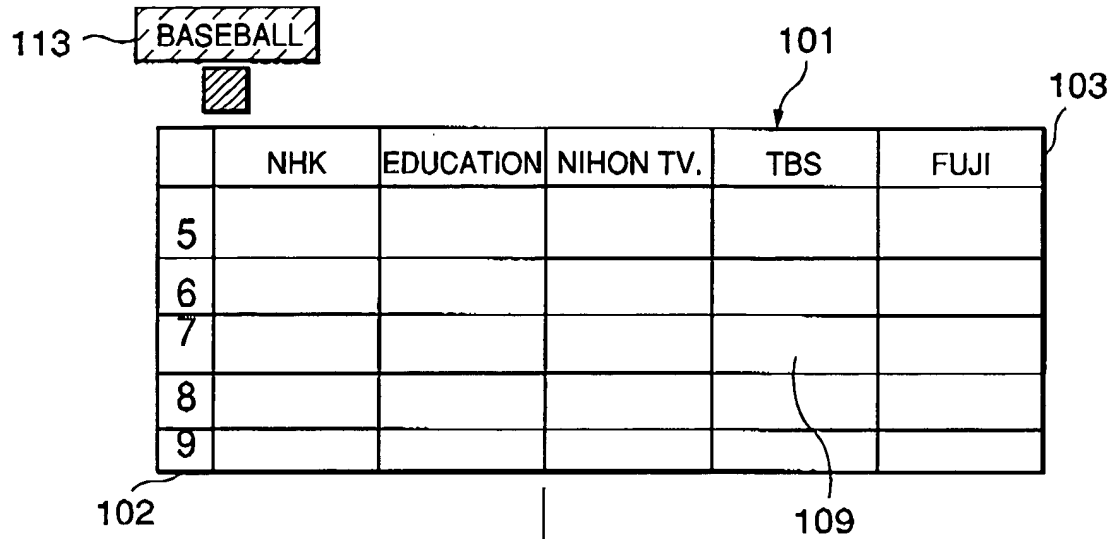


FIG.9B

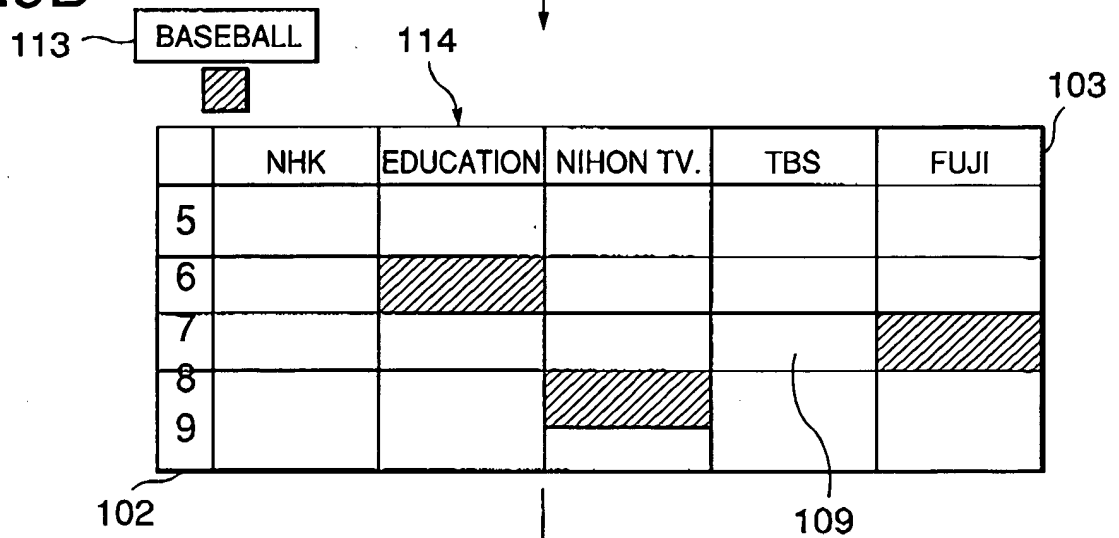
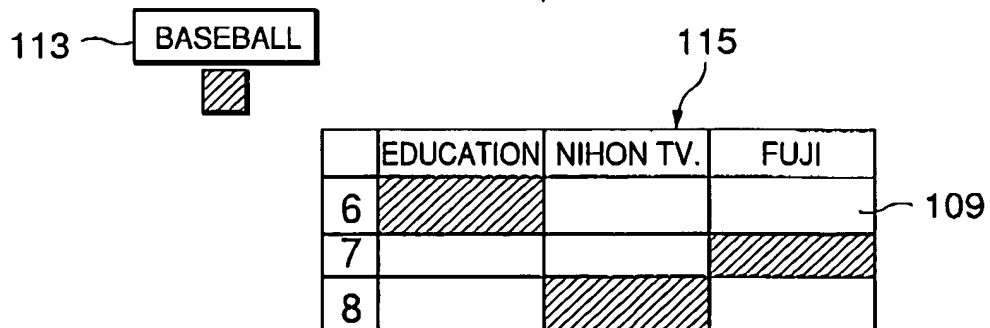
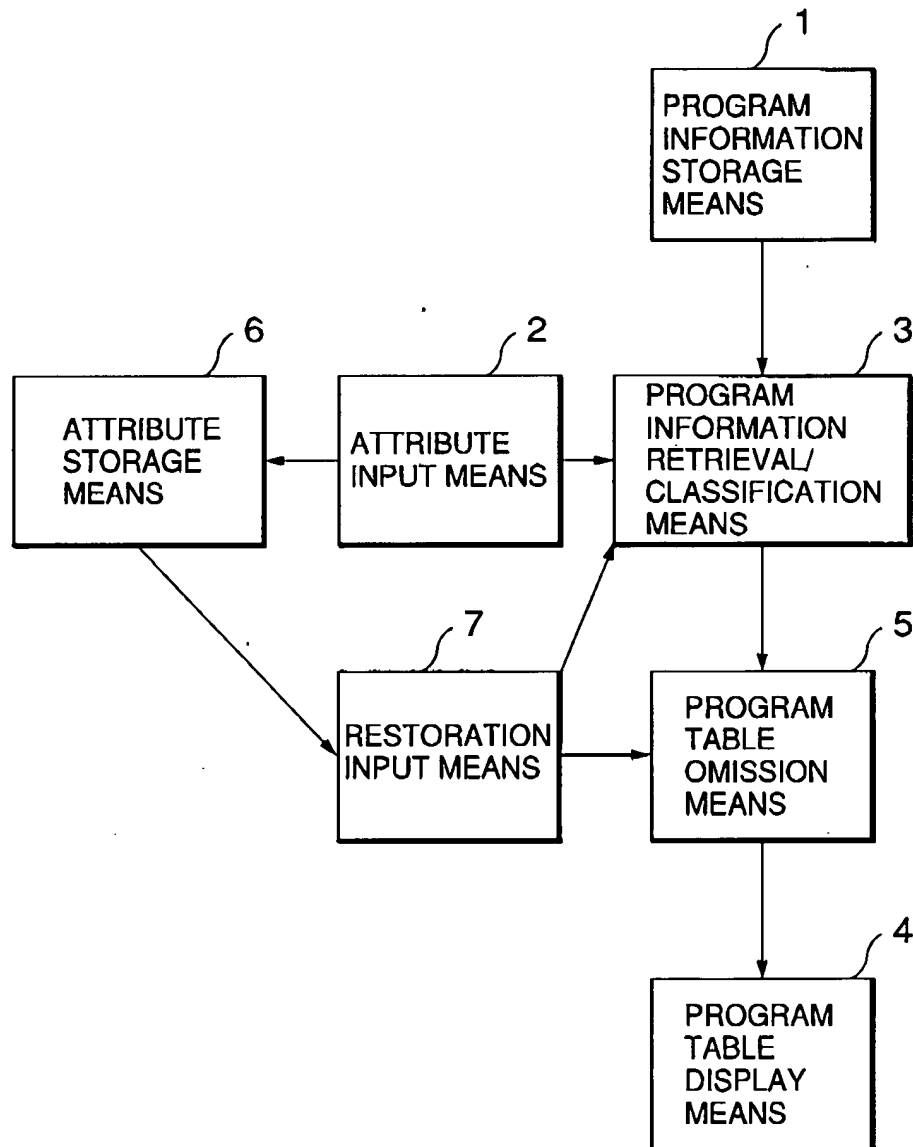


FIG.9C



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FIG.10



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FIG.11A

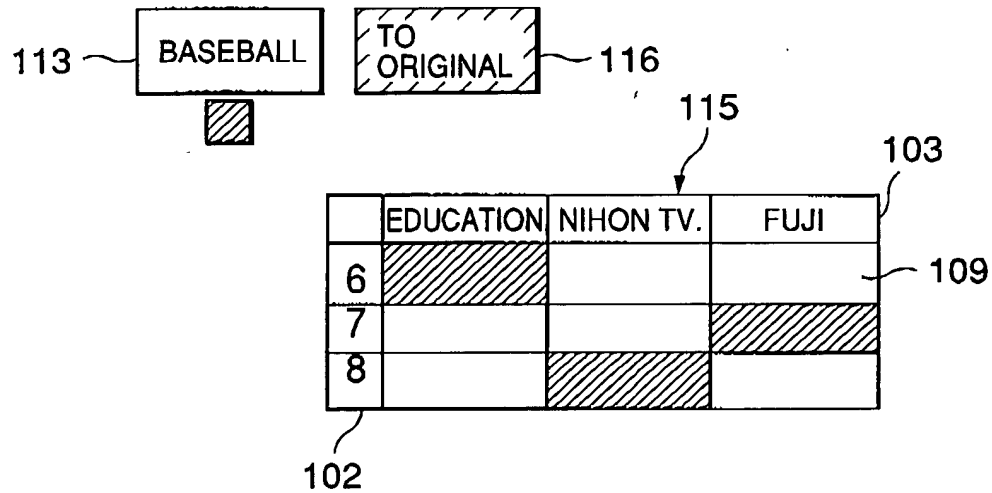
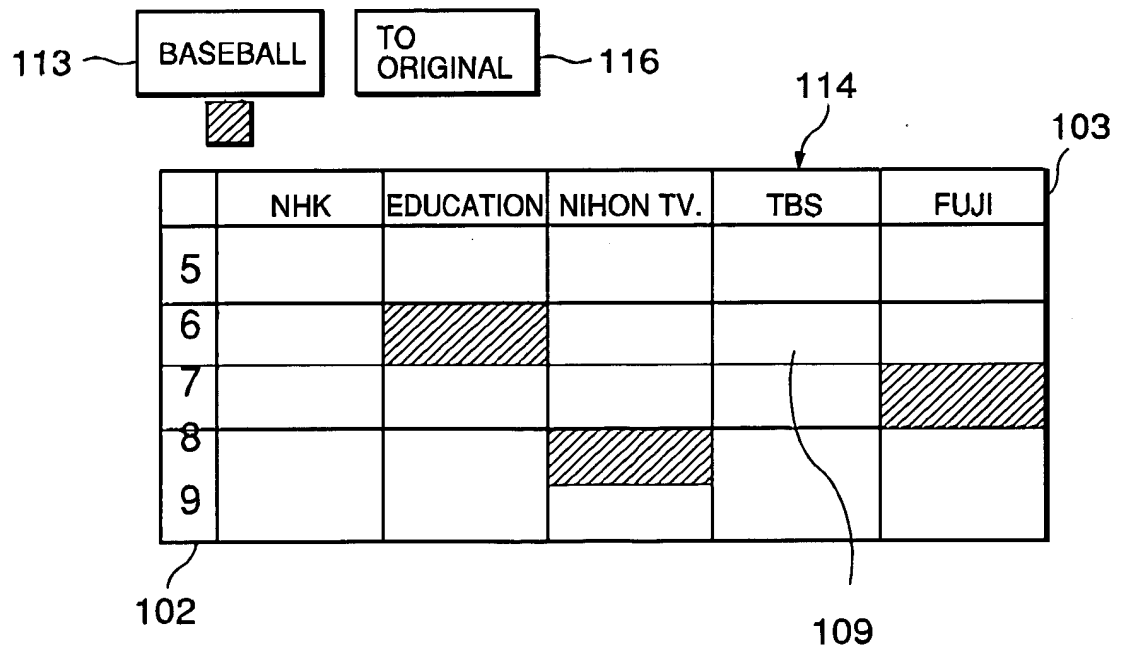
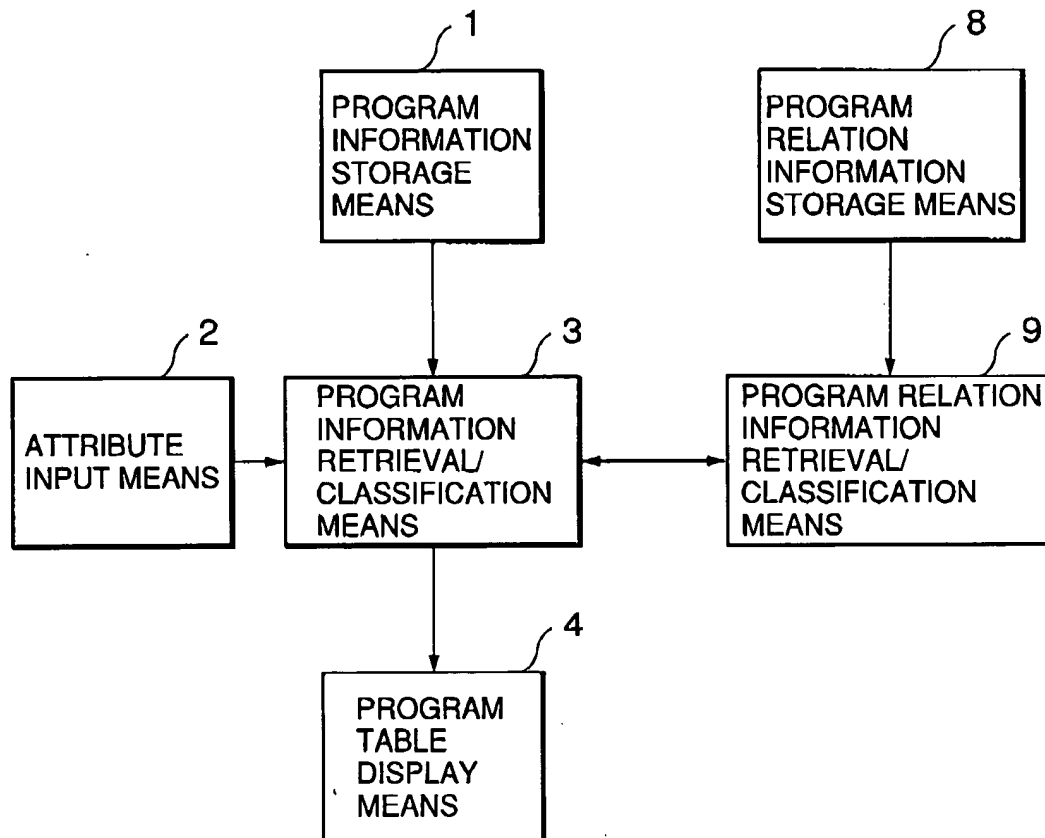


FIG.11B



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FIG.12



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FIG.13A

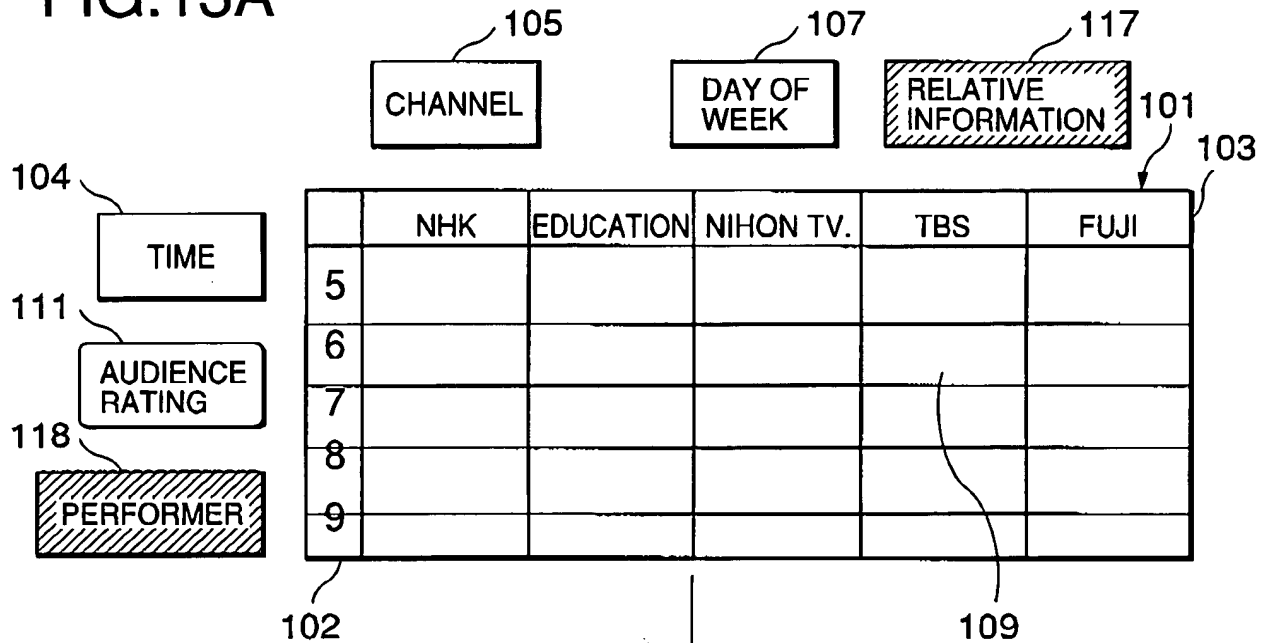
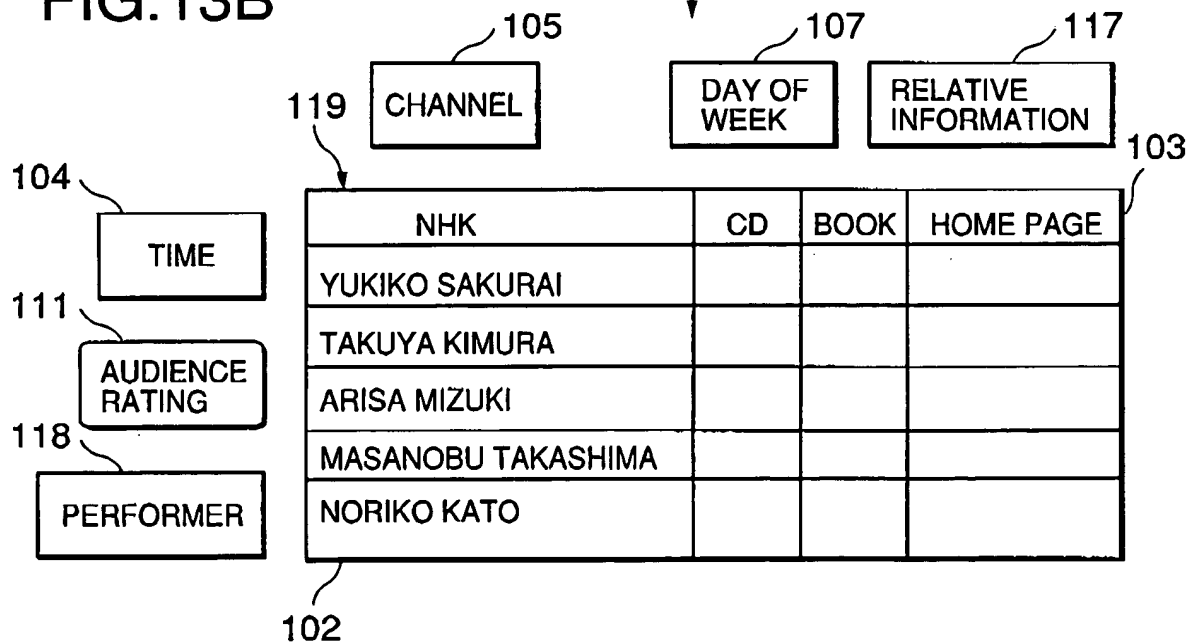
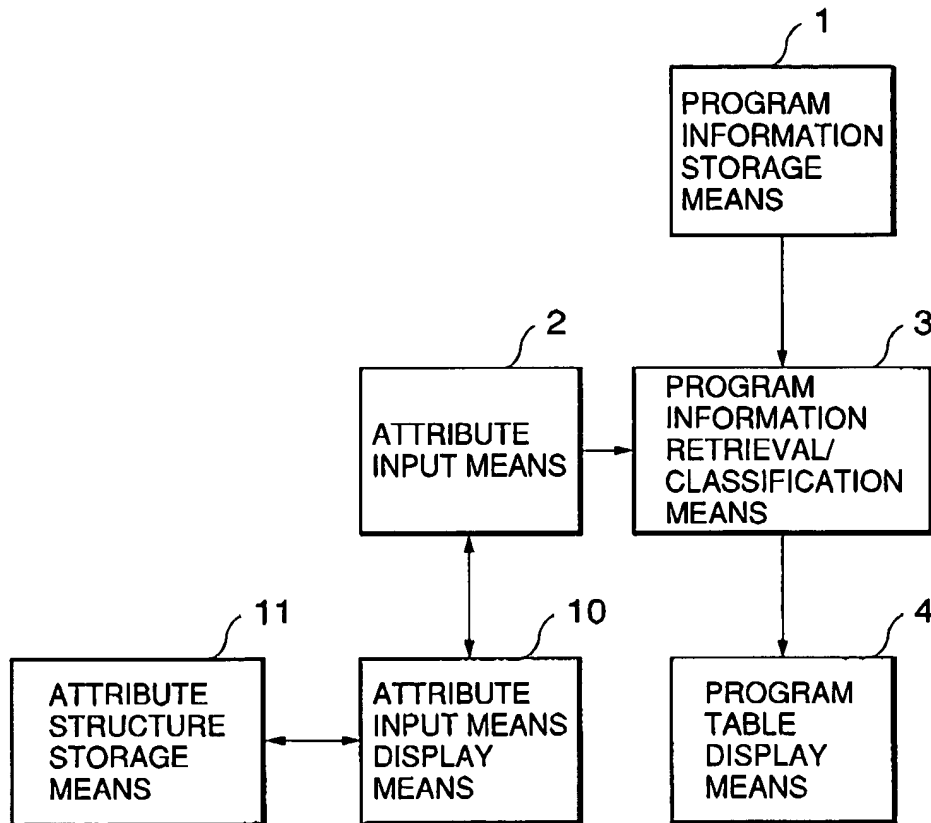


FIG.13B



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FIG.14



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FIG.15A

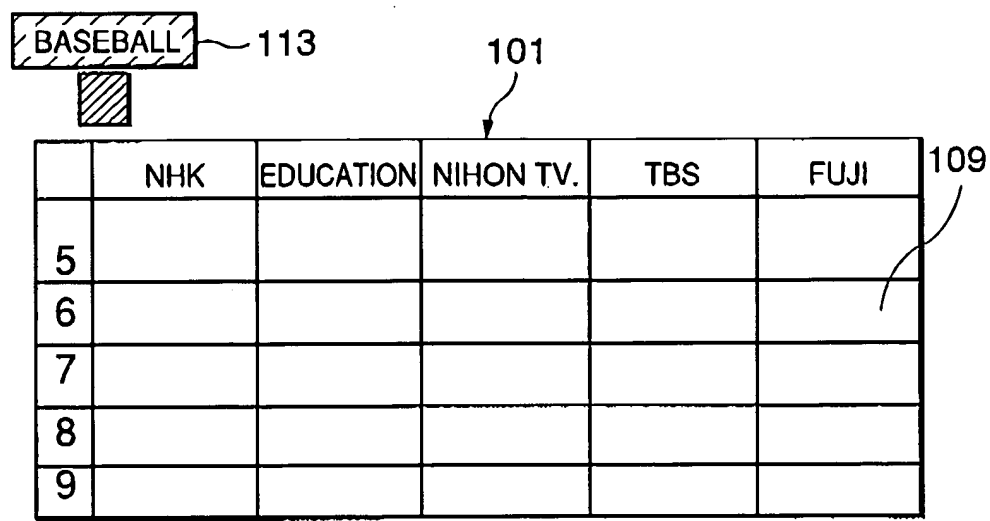
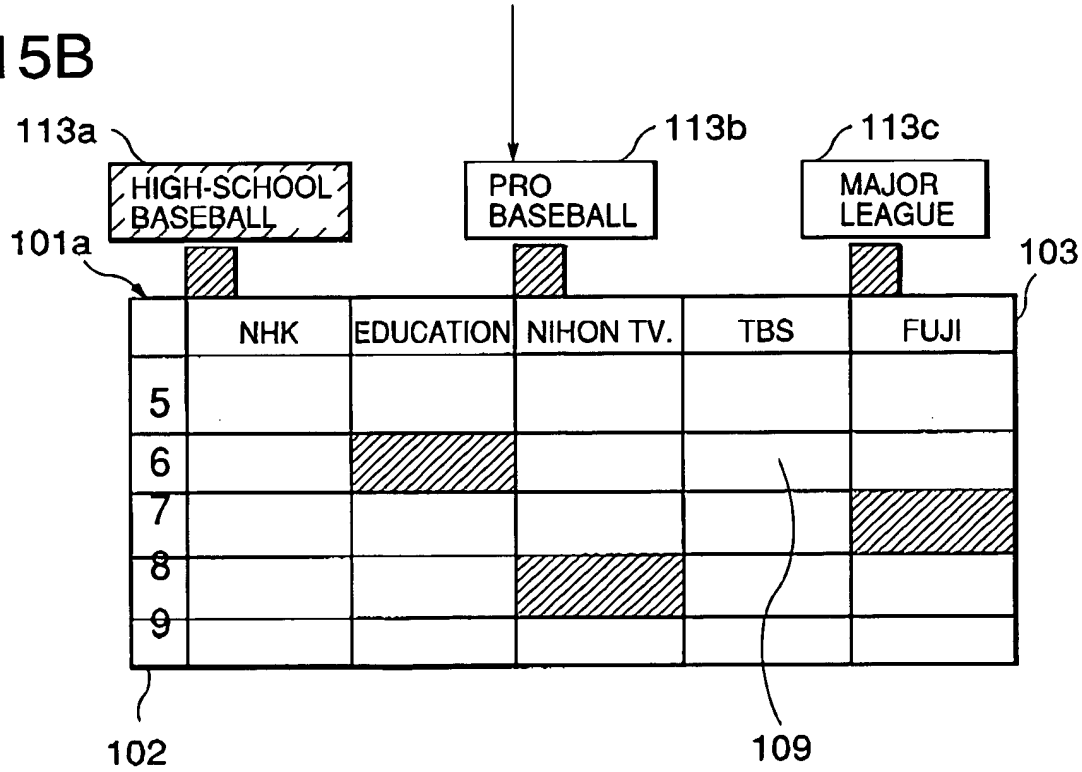
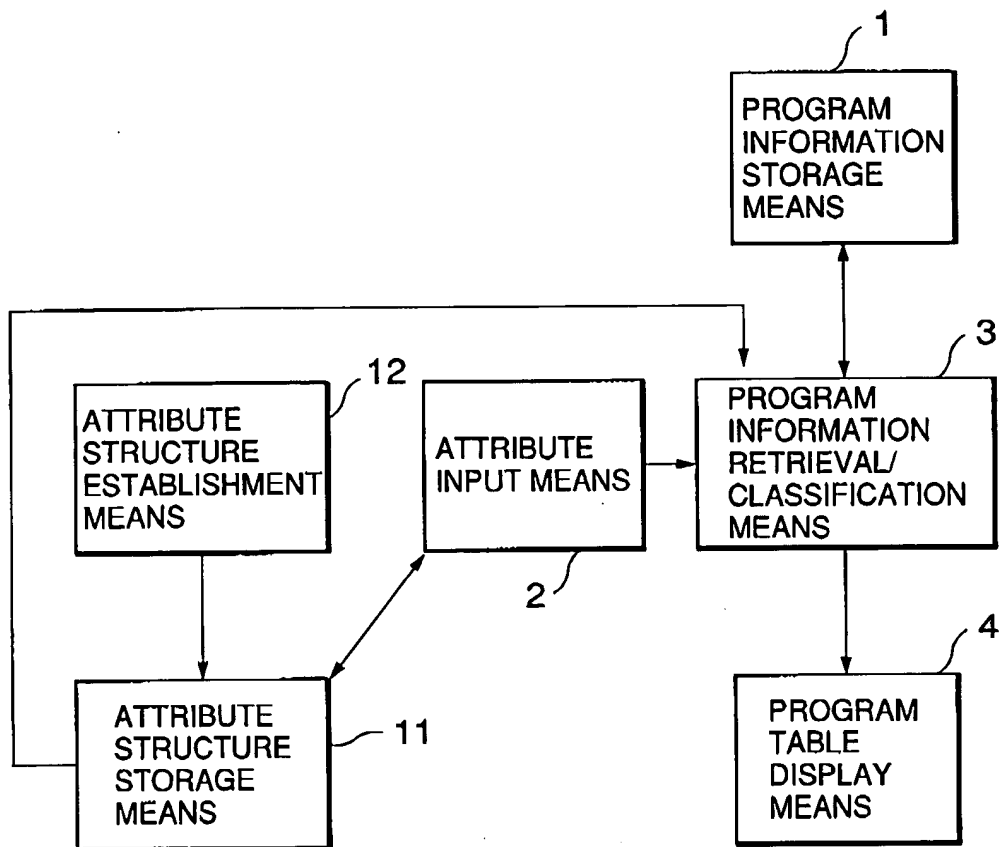


FIG.15B



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FIG.16



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FIG.17A

104 TIME		105 CHANNEL		107 DAY OF WEEK		103 100 USER CLASSIFICATION
		NHK	EDUCATION	NIHON TV.	TBS	
5						109
6						
7						
8						
9						

102

FIG.17B

USER CLASSIFICATION		1	2	3	4	103
REGISTER SUCH AS COMPUTER:		NHK; NATION STANDING ON ELECTRONICS	NHK EDUCATION; PERSONAL COMPUTER SCHOOL	THE UNIVERSITY OF THE AIR; PERSONAL COMPUTER ANALYSIS		
SOFTWARE		TV. ASAHI; AMAMI OSHIMA	NIHON TV.; SOUTHERN COUNTRY PARADISE			
CG		NHK EDUCATION; SCIENCE EYE	TBS; THE WORLD OF VOD			
PERSONAL COMPUTER		NHK EDUCATION; TOGETHER WITH MAMMA	FUJI TV.; PONKIKKIES	TV. TOKYO; DORAEMON		
MACHINE						
CPU						
HARD DISK						

120

90580760

```
graph TD; 1[PROGRAM INFORMATION STORAGE MEANS] --> 3[PROGRAM INFORMATION RETRIEVAL/CLASSIFICATION MEANS]; 2[ATTRIBUTE INPUT MEANS] --> 3; 3 --> 13[SAME TIME ZONE DETECTION MEANS]; 13 --> 4[SAME TIME ZONE PROGRAM TABLE DISPLAY MEANS]; 3 --> 4;
```

FIG. 1 is a flowchart illustrating the program information processing system. The system consists of the following components and their interconnections:

- 1**: PROGRAM INFORMATION STORAGE MEANS
- 2**: ATTRIBUTE INPUT MEANS
- 3**: PROGRAM INFORMATION RETRIEVAL/CLASSIFICATION MEANS
- 13**: SAME TIME ZONE DETECTION MEANS
- 4**: SAME TIME ZONE PROGRAM TABLE DISPLAY MEANS

The flow of the process is as follows:

- Program information is stored in the **PROGRAM INFORMATION STORAGE MEANS (1)**.
- Attributes are input into the **ATTRIBUTE INPUT MEANS (2)**.
- The **ATTRIBUTE INPUT MEANS (2)** and the **PROGRAM INFORMATION STORAGE MEANS (1)** provide input to the **PROGRAM INFORMATION RETRIEVAL/CLASSIFICATION MEANS (3)**.
- The **PROGRAM INFORMATION RETRIEVAL/CLASSIFICATION MEANS (3)** outputs to the **SAME TIME ZONE DETECTION MEANS (13)**.
- The **SAME TIME ZONE DETECTION MEANS (13)** outputs to the **SAME TIME ZONE PROGRAM TABLE DISPLAY MEANS (4)**.
- The **PROGRAM INFORMATION RETRIEVAL/CLASSIFICATION MEANS (3)** also outputs directly to the **SAME TIME ZONE PROGRAM TABLE DISPLAY MEANS (4)**.

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FIG.19

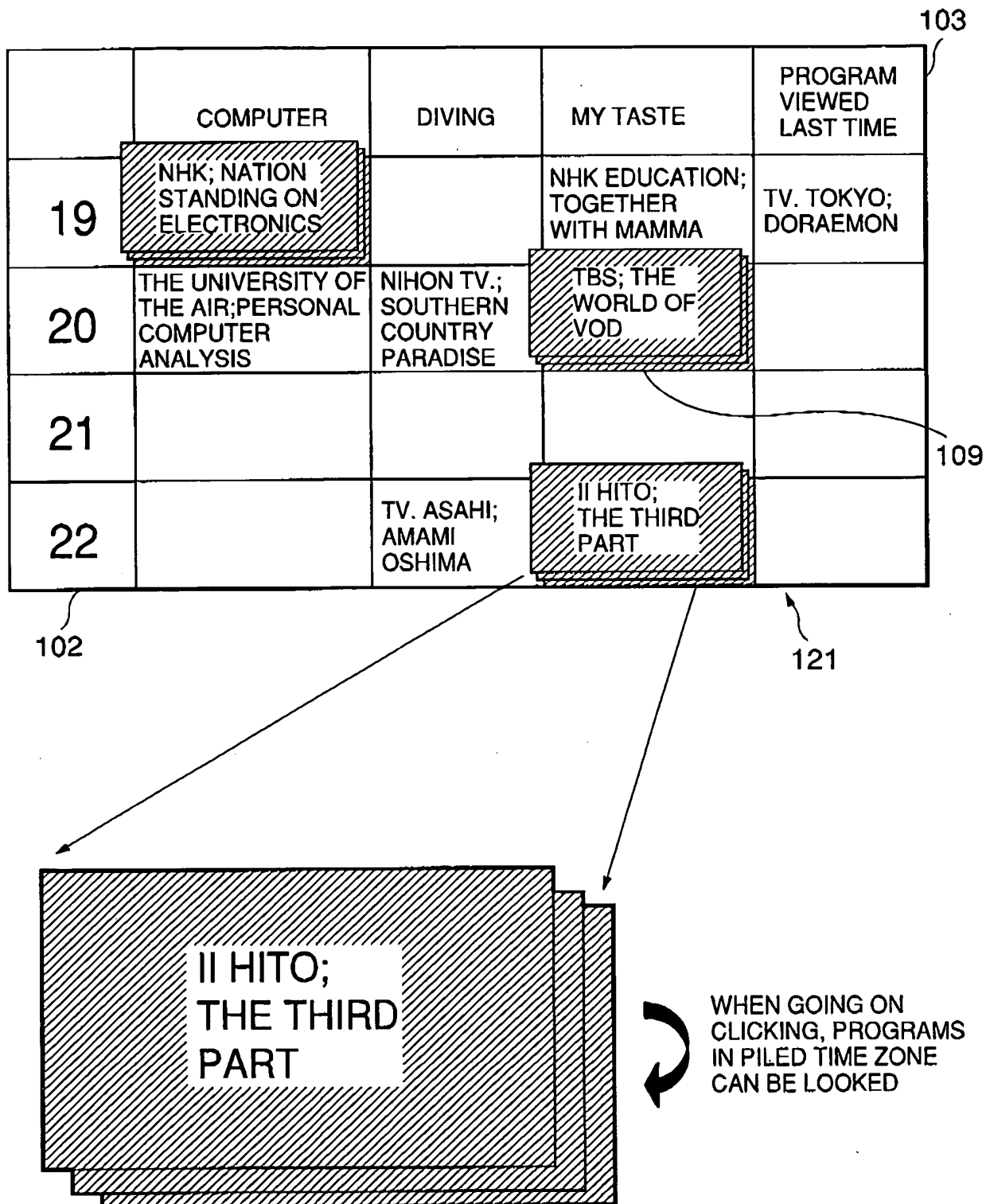
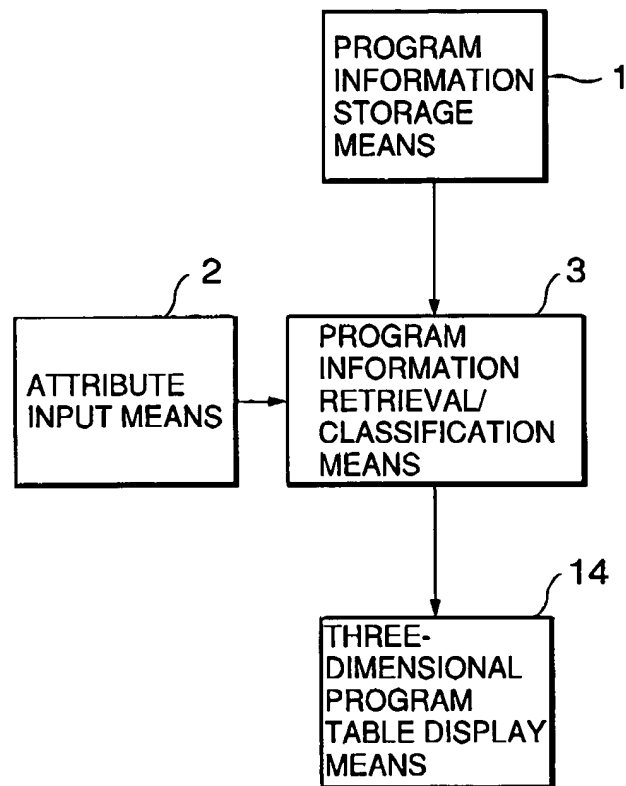


FIG.20



SECRET

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FIG.21A

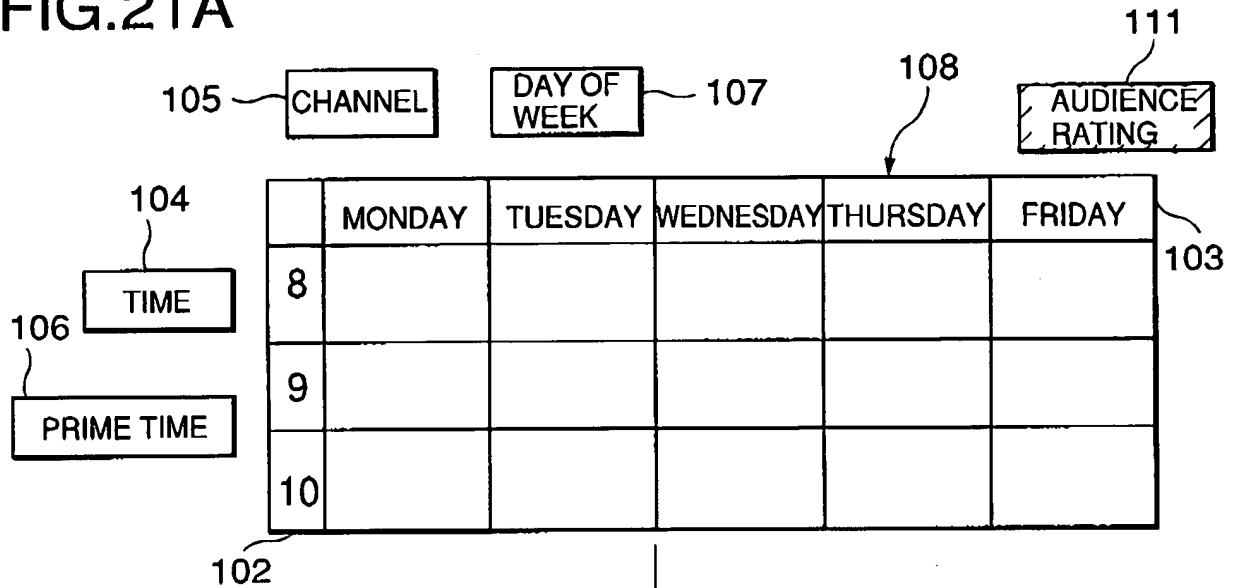
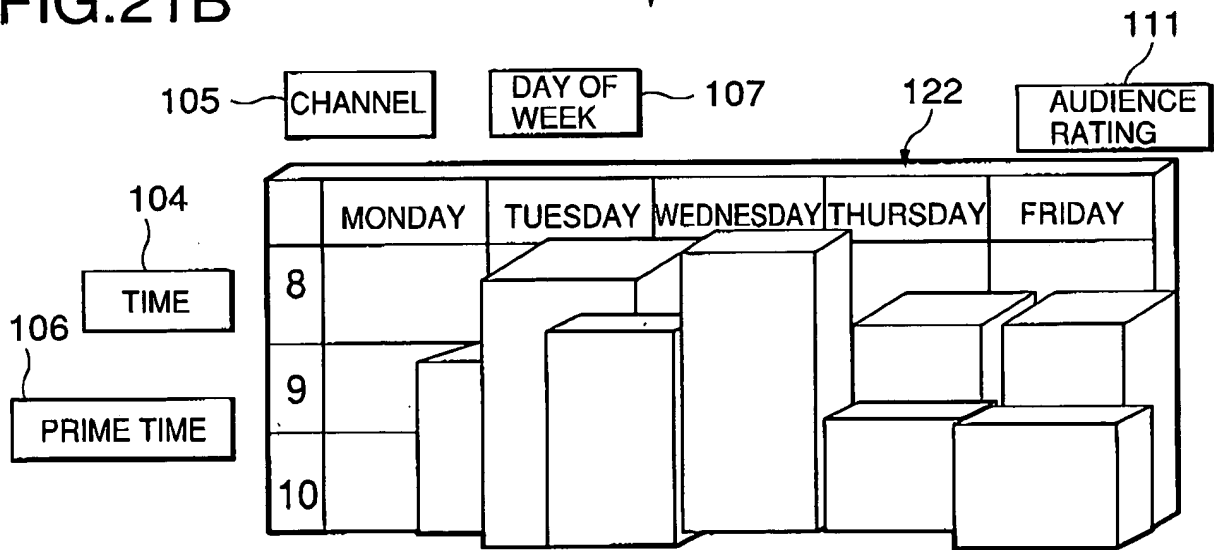


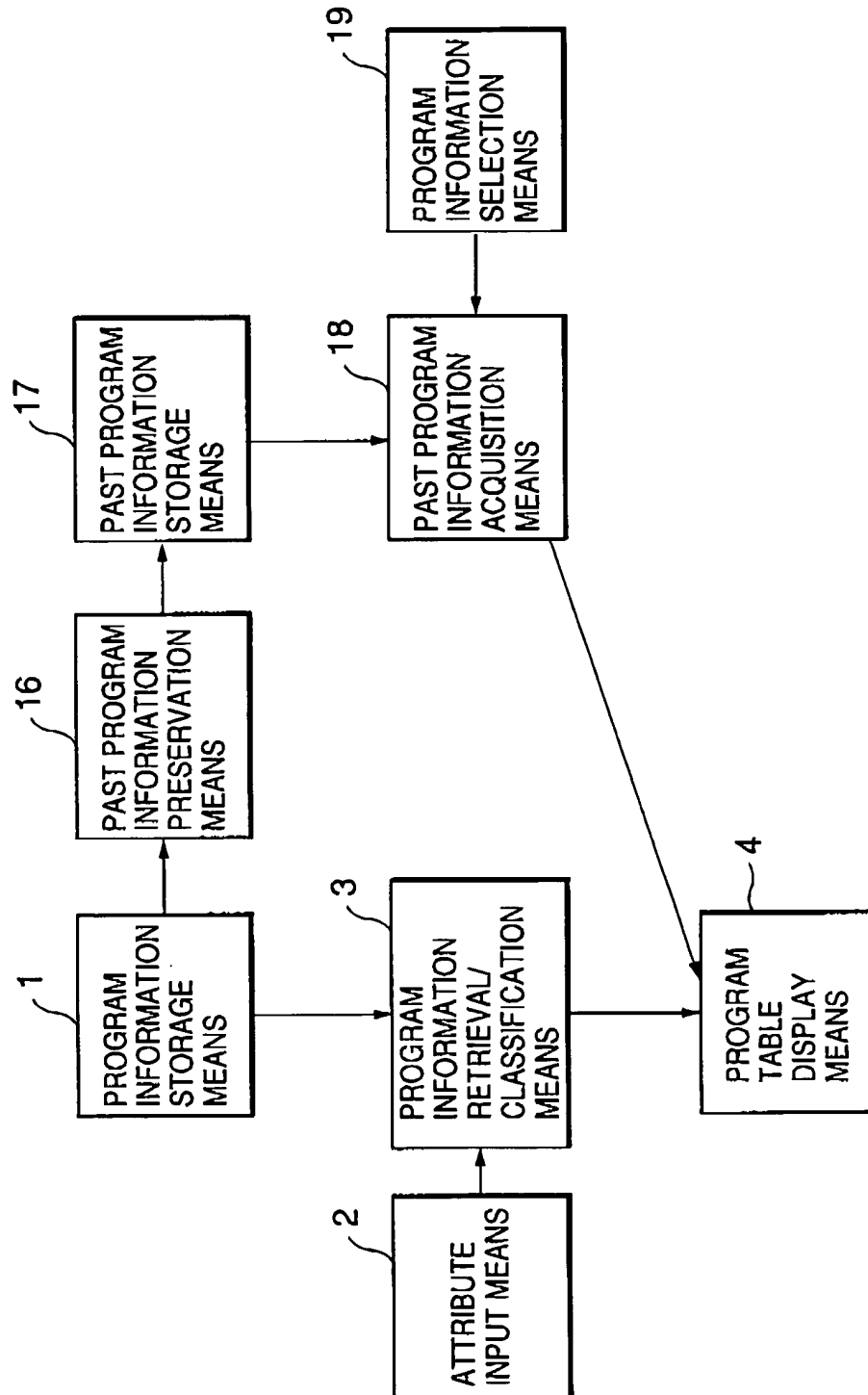
FIG.21B



```
graph TD; 1[PROGRAM INFORMATION STORAGE MEANS] --> 2[ATTRIBUTE INPUT MEANS]; 1 --> 3[PROGRAM INFORMATION RETRIEVAL/CLASSIFICATION MEANS]; 2 <--> 10[ATTRIBUTE INPUT MEANS DISPLAY MEANS]; 3 --> 4[PROGRAM TABLE DISPLAY MEANS]; 10 <--> 11[ATTRIBUTE STRUCTURE STORAGE MEANS]; 11 --> 12[ATTRIBUTE STRUCTURE ESTABLISHMENT MEANS]; 12 --> 15[ATTRIBUTE STRUCTURE EXTRACTION MEANS]; 15 --> 1;
```

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FIG.23



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FIG.24A

105 CHANNEL

104 TIME

	NHK	EDUCATION	NIHON TV.	TBS	FUJI
5					
6					
7					
8					
9					

101

103

102

109

FIG.24B

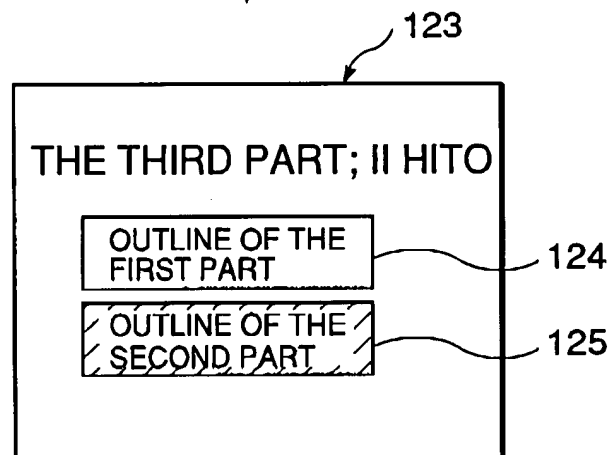
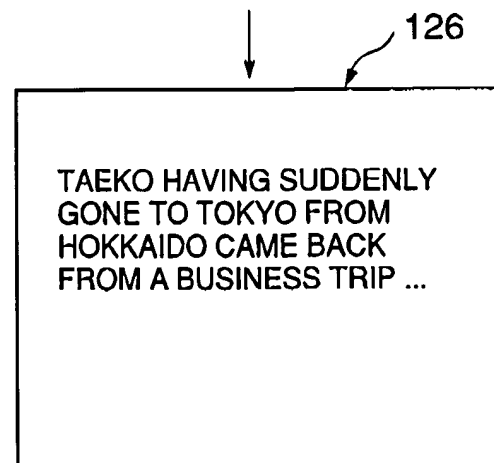
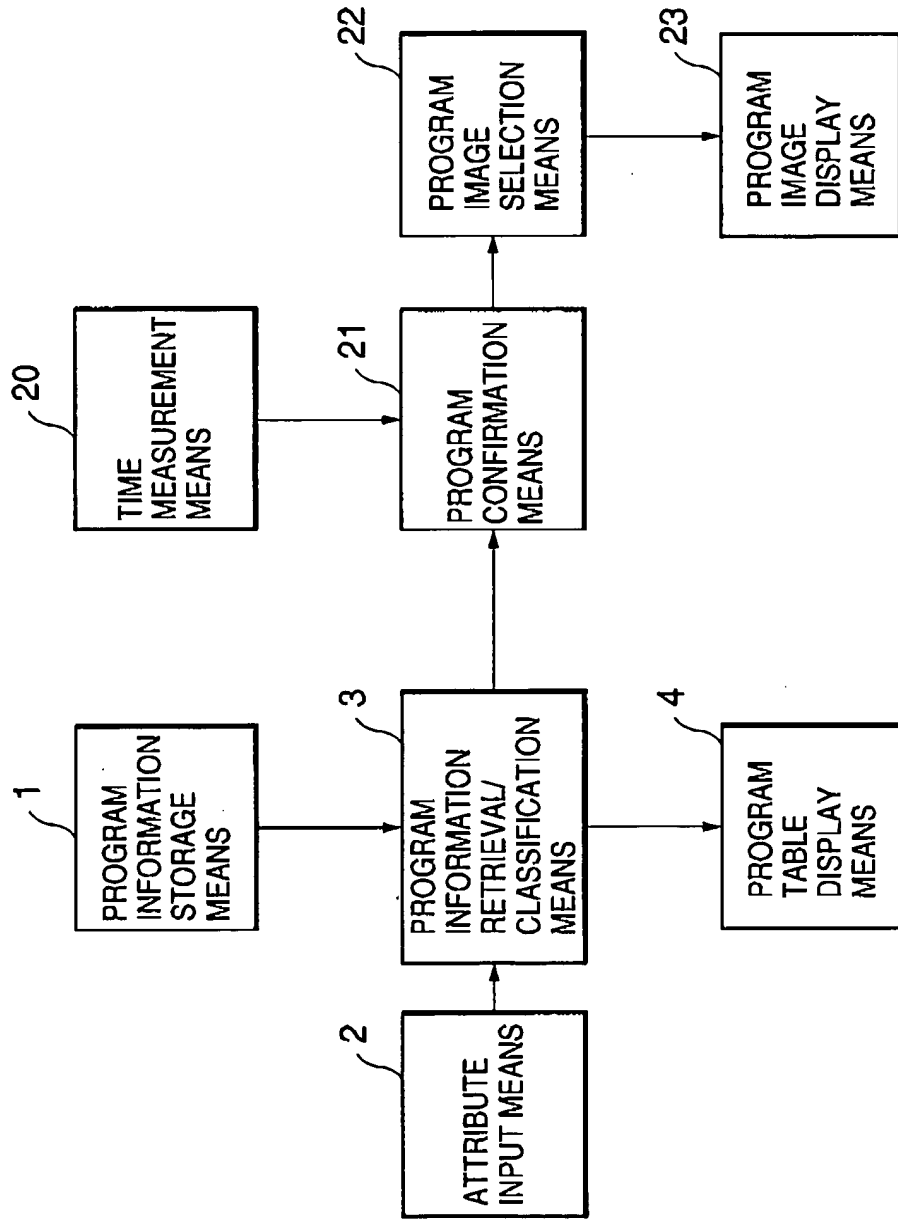


FIG.24C



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FIG.25



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FIG. 26A

104

TIME

105

CHANNEL

101

103

109

102

NOW! >

	NHK	EDUCATION	NIHON TV.	TBS	FUJI
5					
6					
7					
8					
9					

FIG. 26C

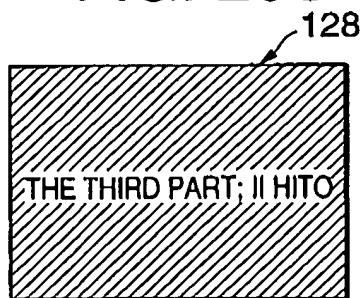
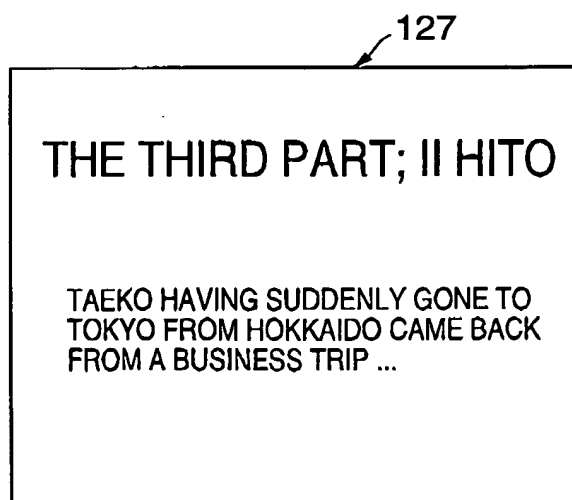


IMAGE ON ANOTHER PICTURE

FIG. 26B



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FIG. 27

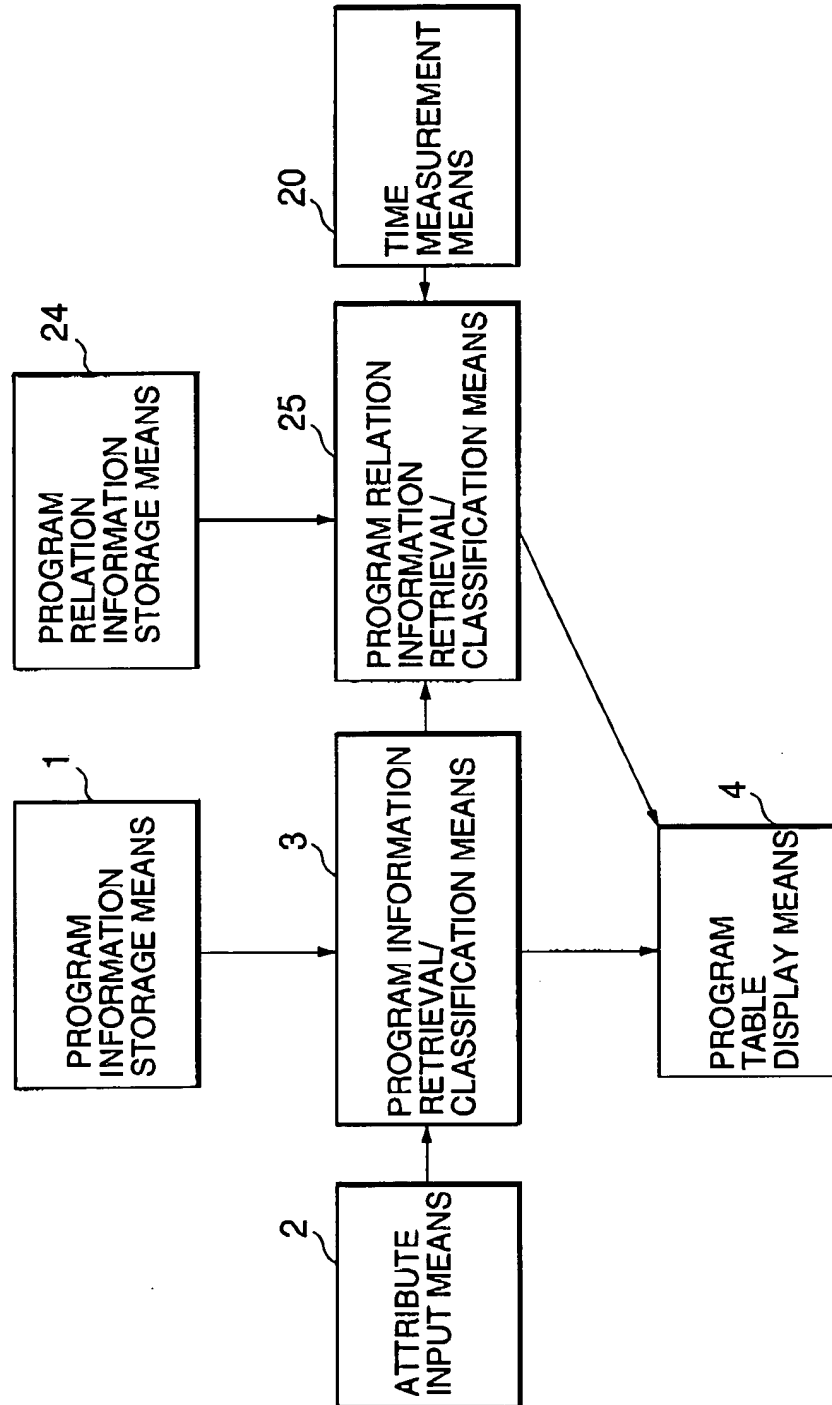


FIG. 28A

104	105 CHANNEL					103
	NHK	EDUCATION	NIHON TV.	TBS	FUJII	
5						
6						
7						
8						
9						
109						102

NOW!>

NOW!>

FIG. 28B

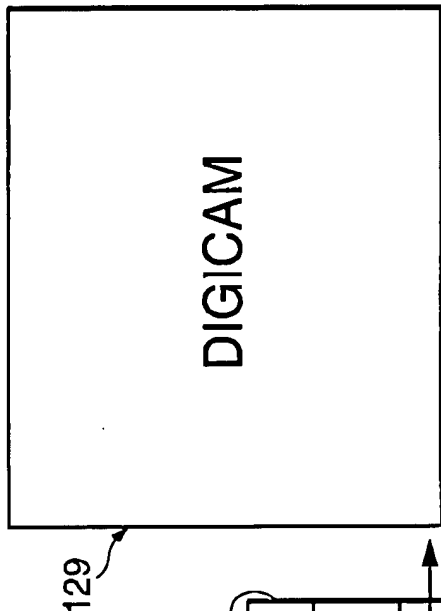
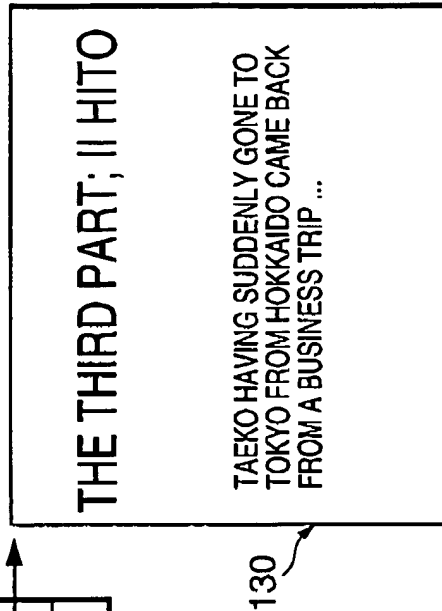


FIG. 28C



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FIG. 29

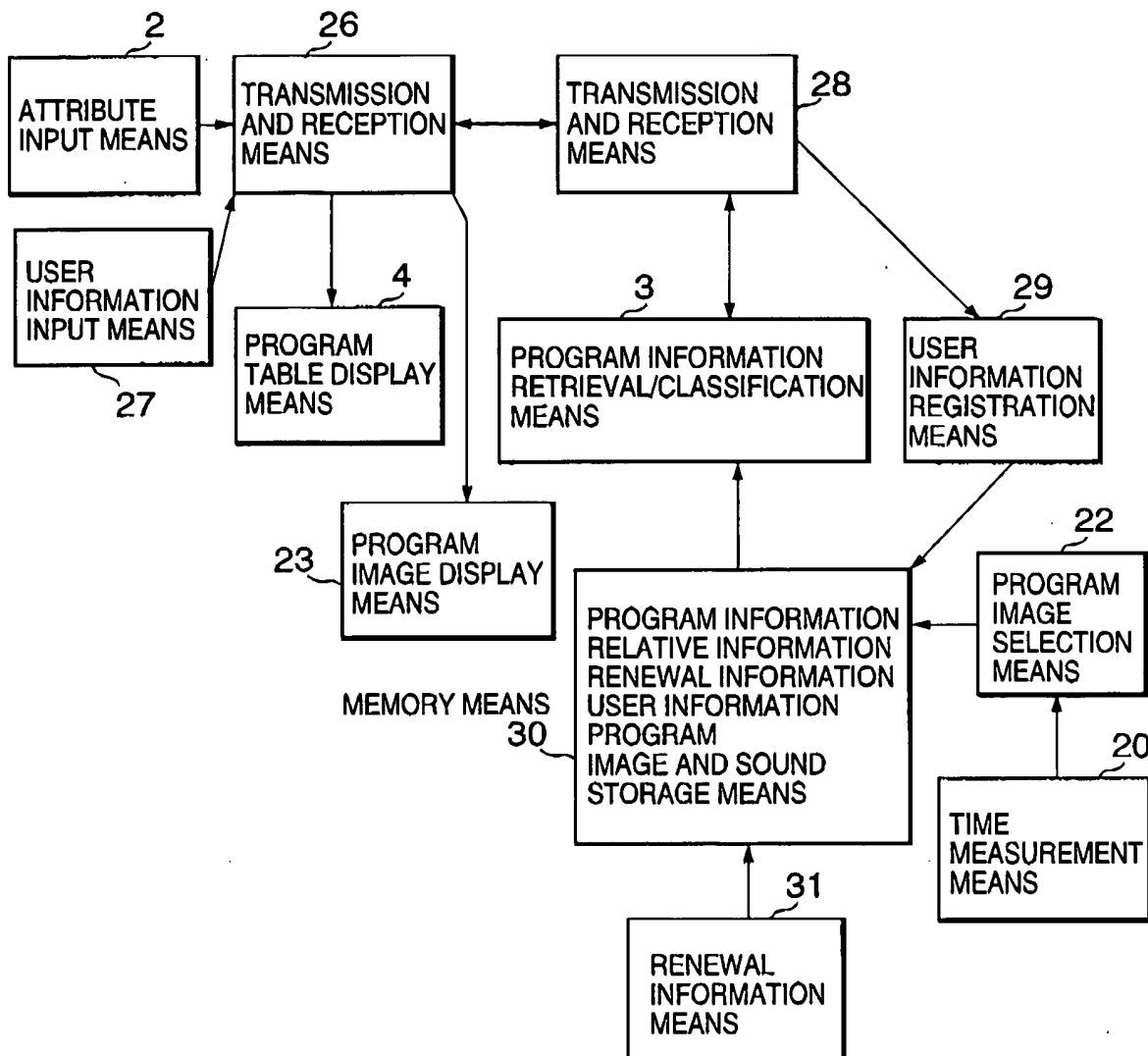


FIG. 30A

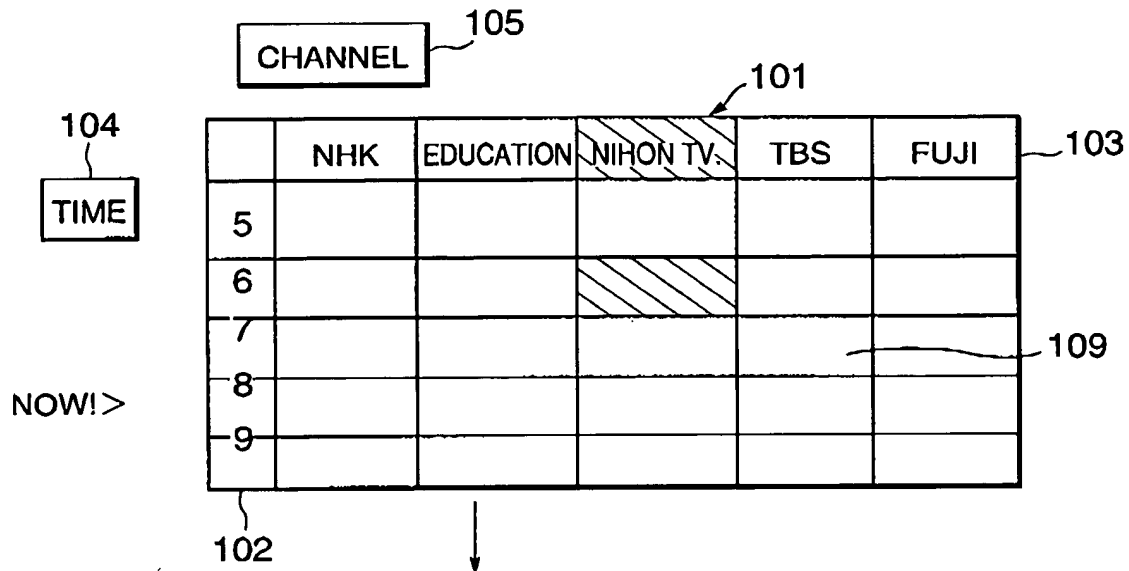
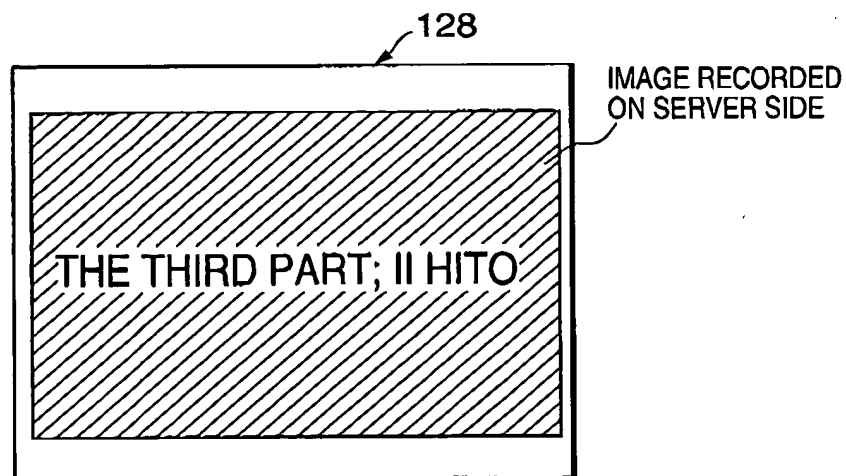
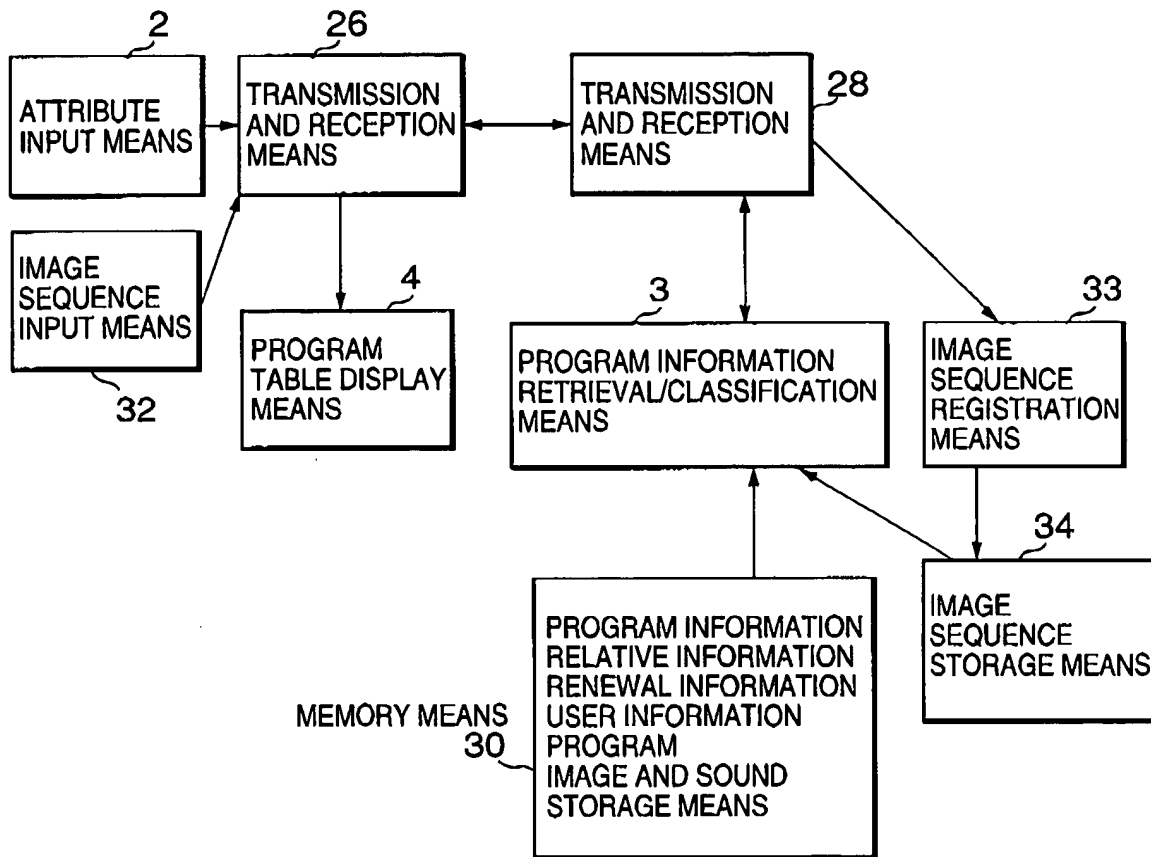


FIG. 30B



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FIG. 31



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FIG. 32A

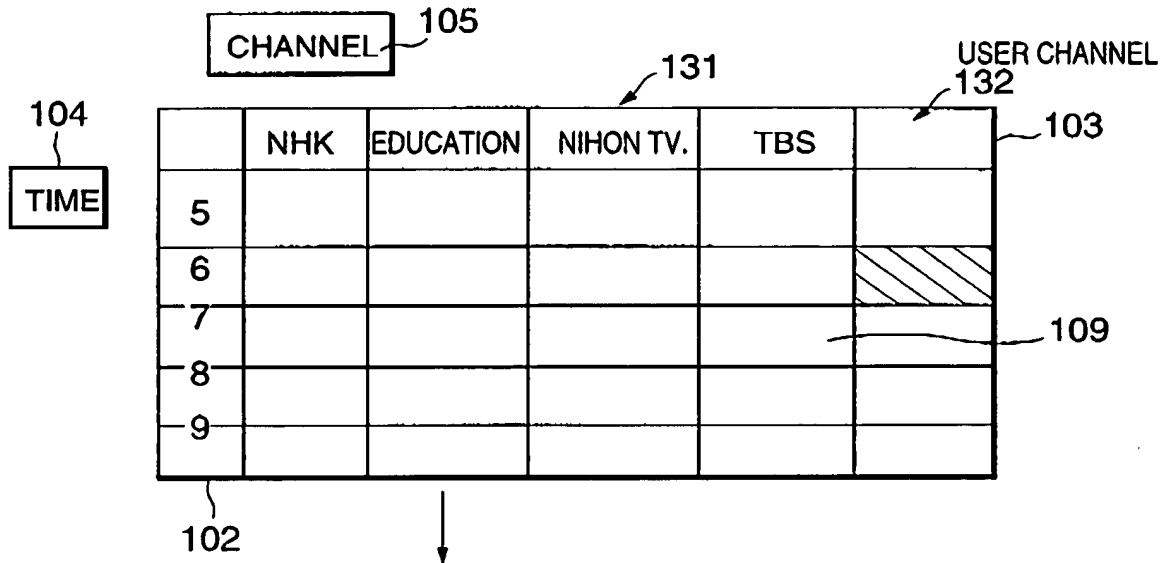
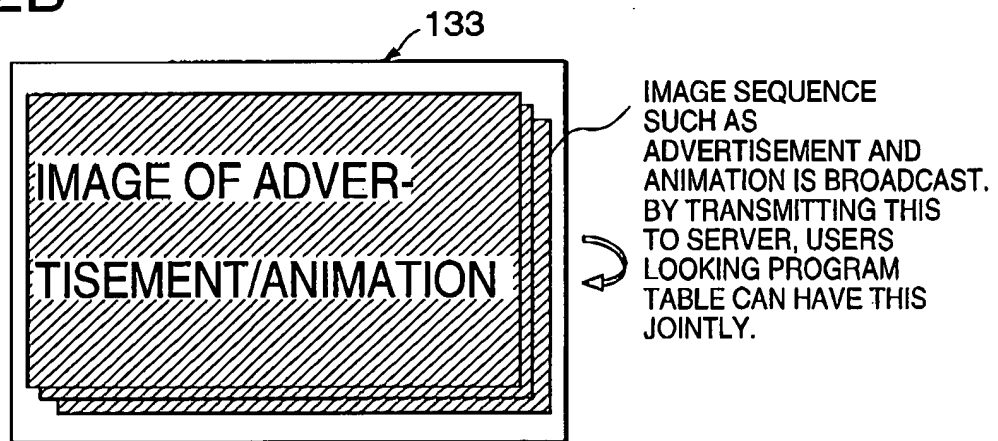
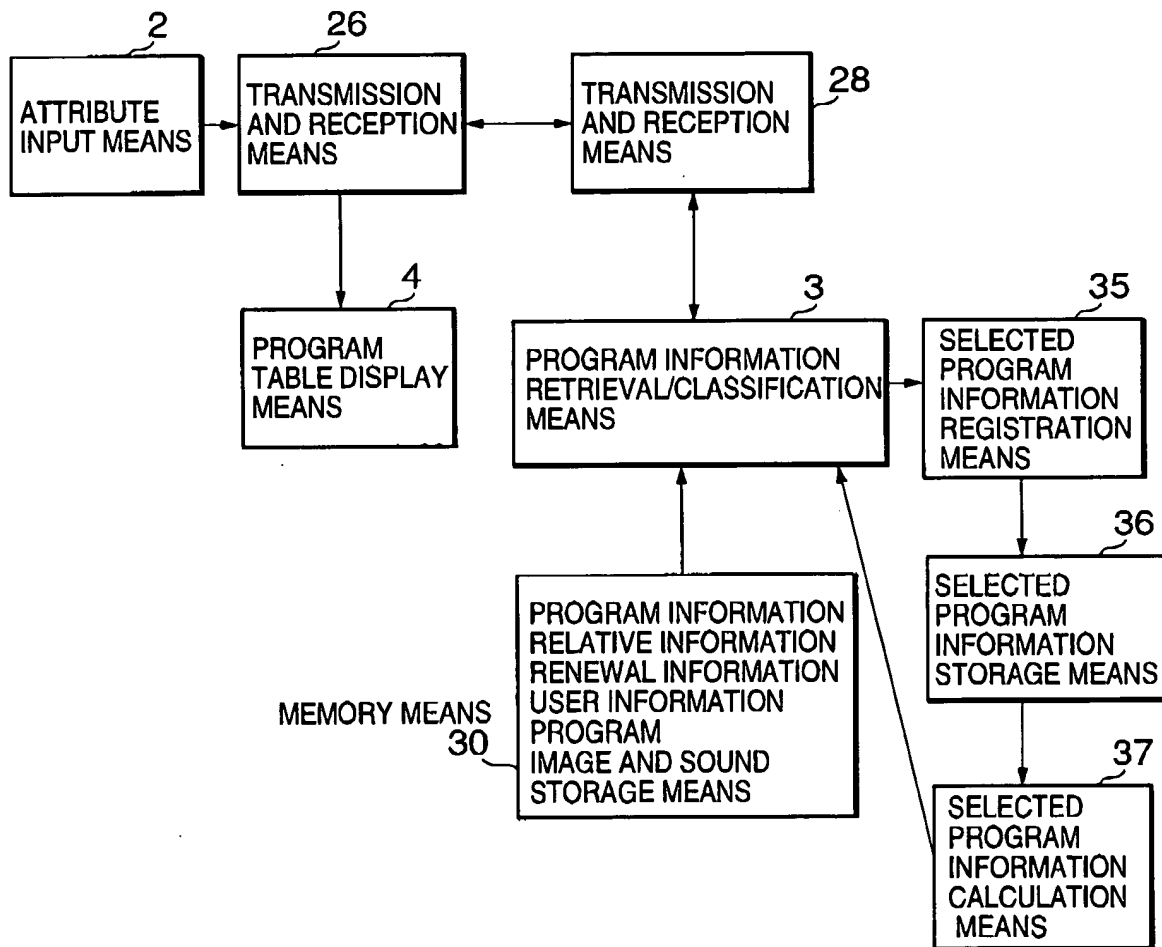


FIG. 32B



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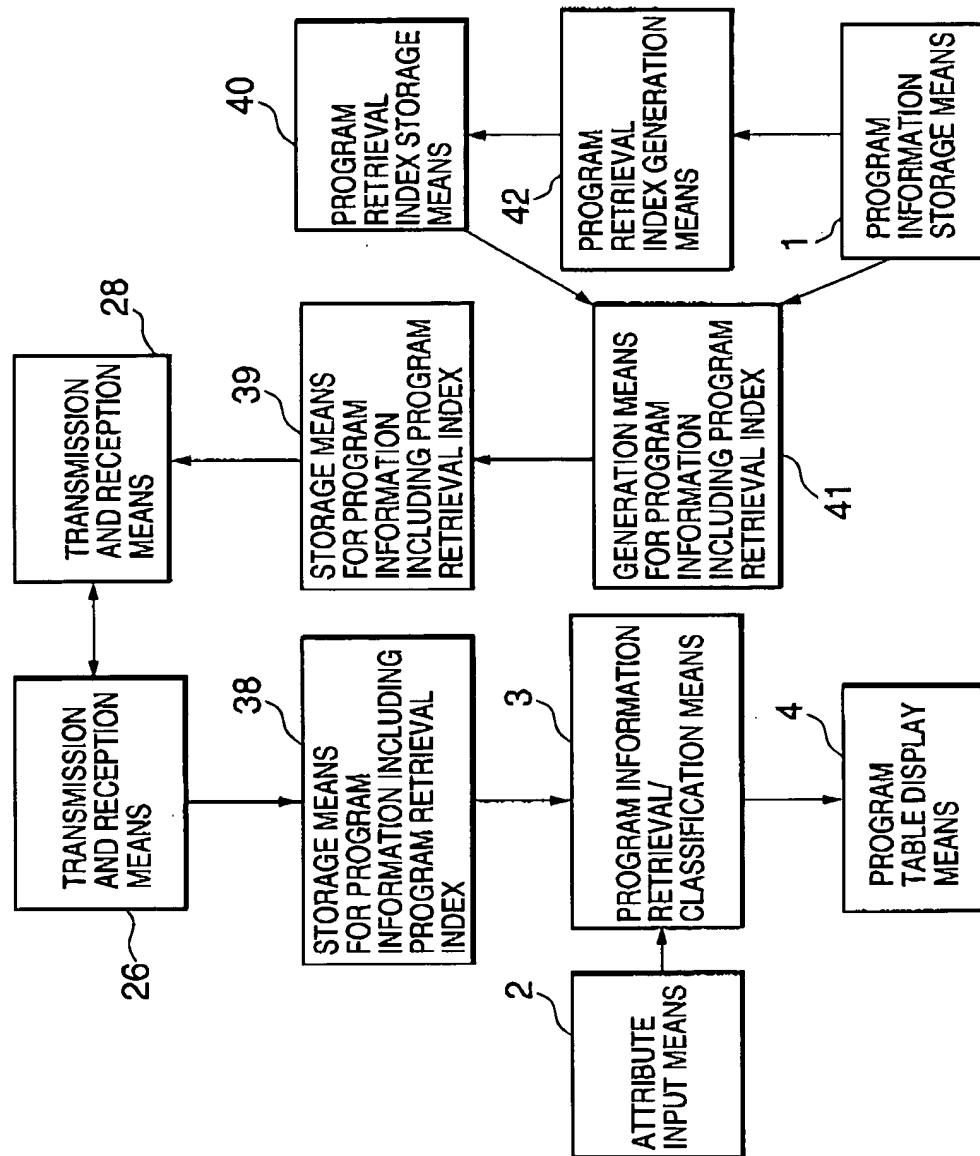
FIG. 33



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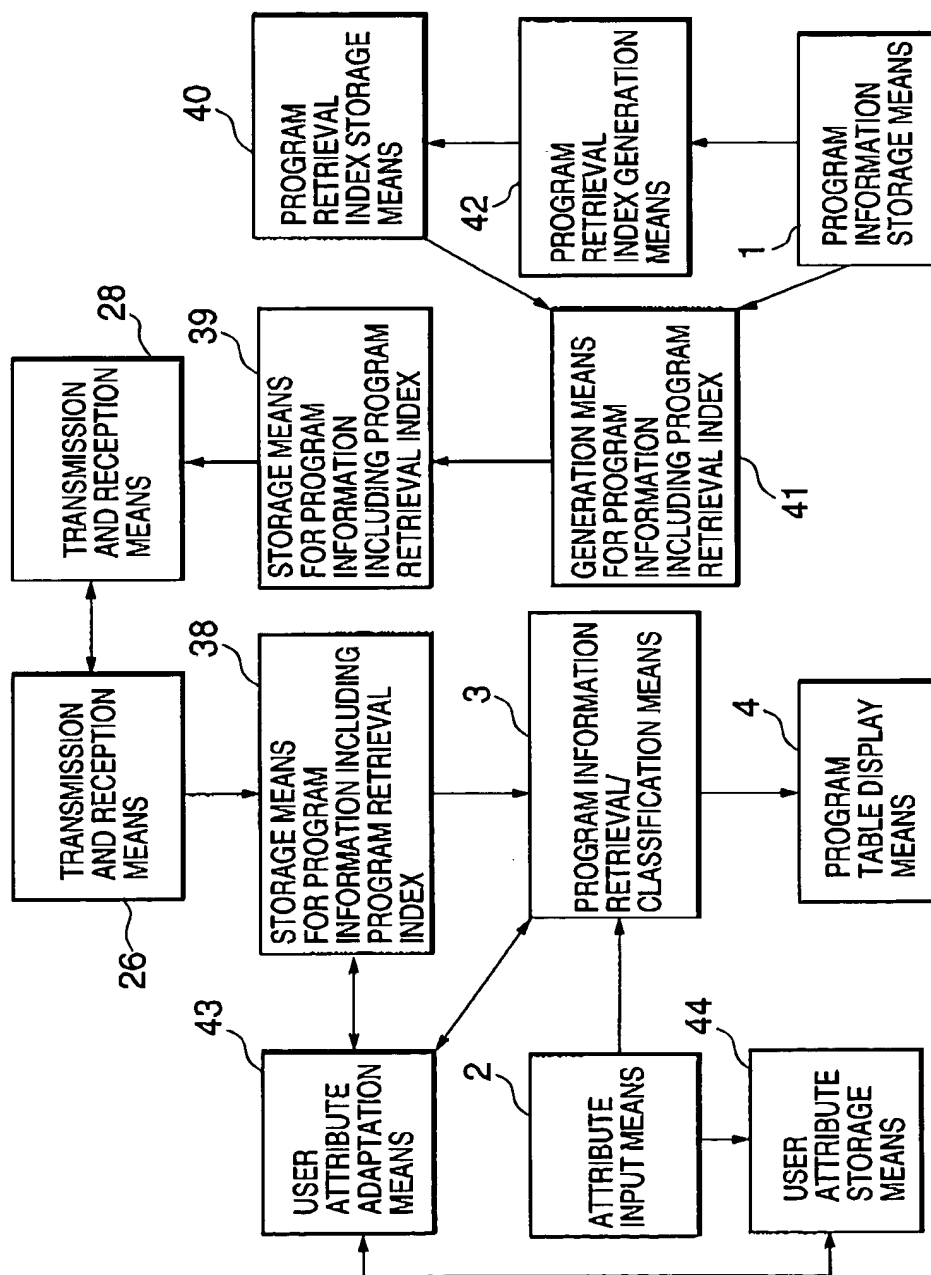
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FIG. 34



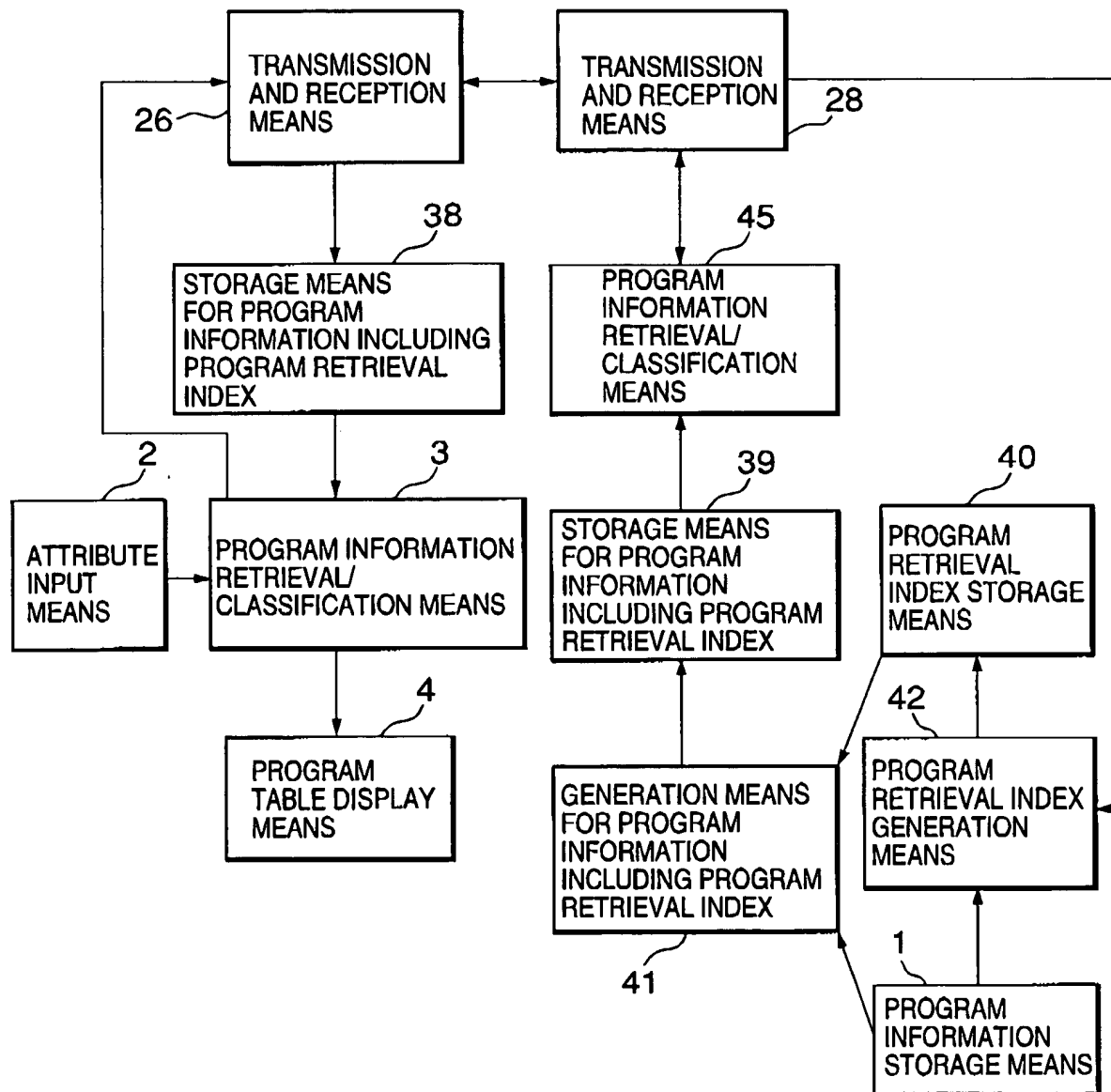
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FIG. 35



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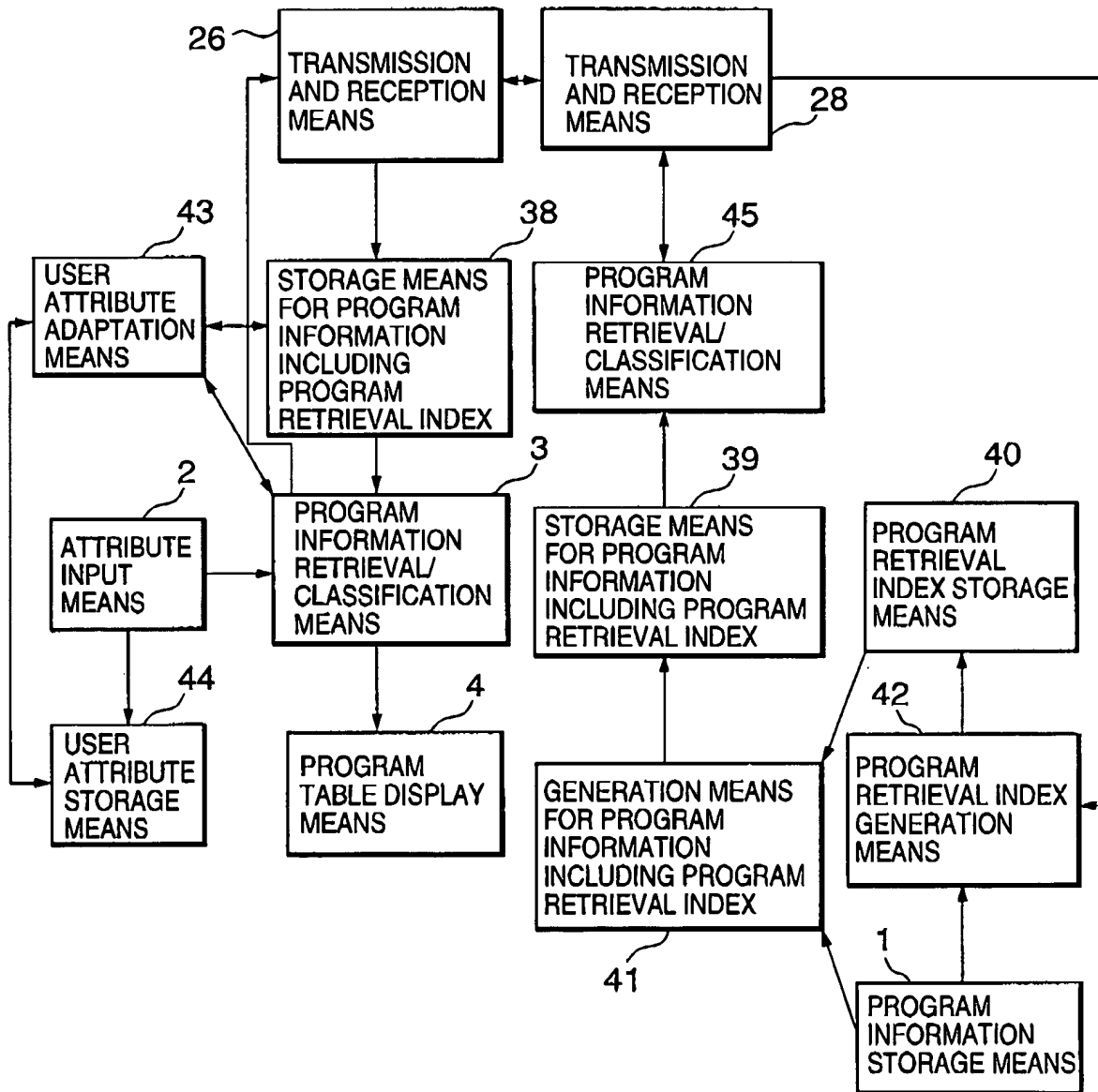
FIG. 36



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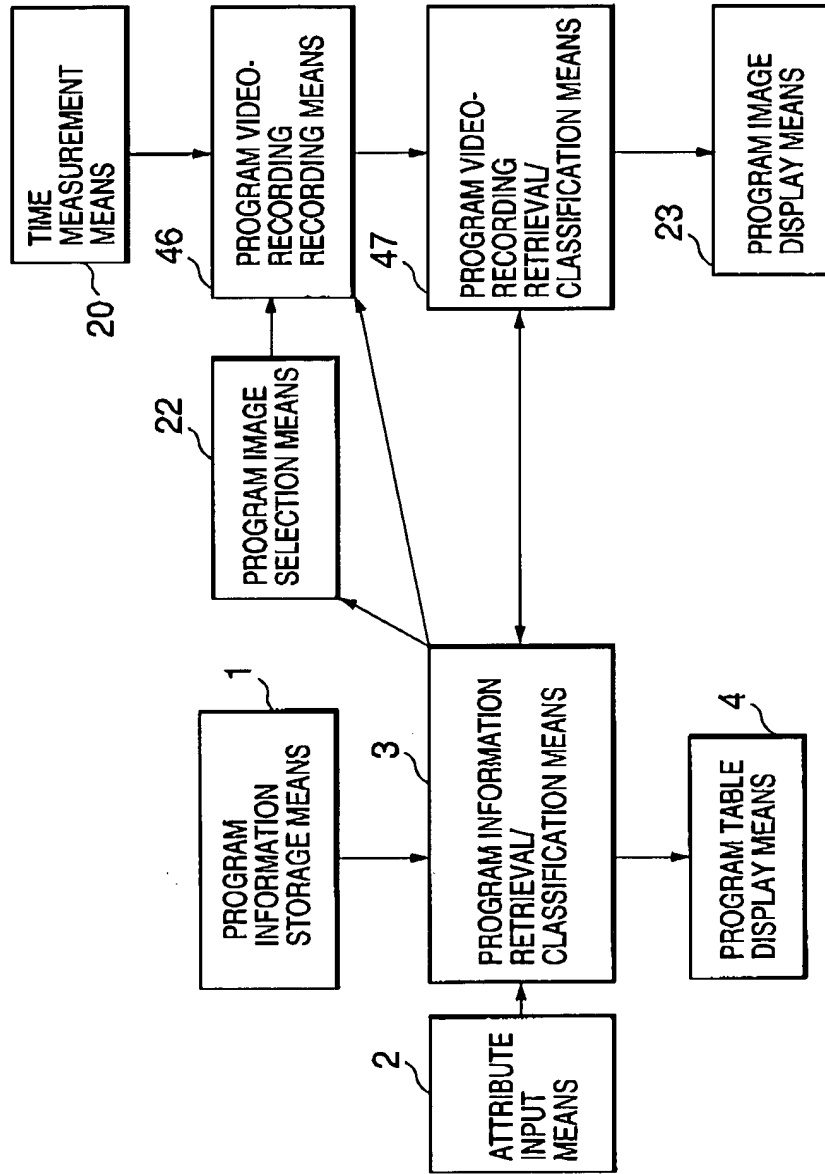
FIG. 37



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FIG. 38



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FIG. 39A

104
TIME

105
CHANNEL

101

	NHK	EDUCATION	NIHON TV.	TBS	FUJI
5					
6					
7					
8					
9					

102

109

102

FIG. 39B

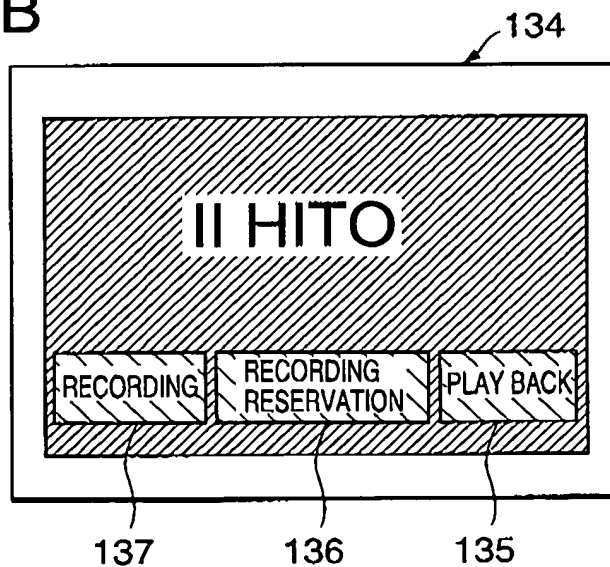


FIG. 40A

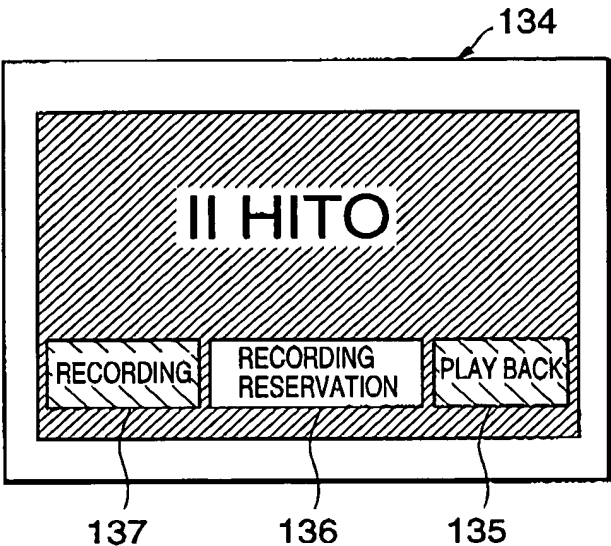


FIG. 40B

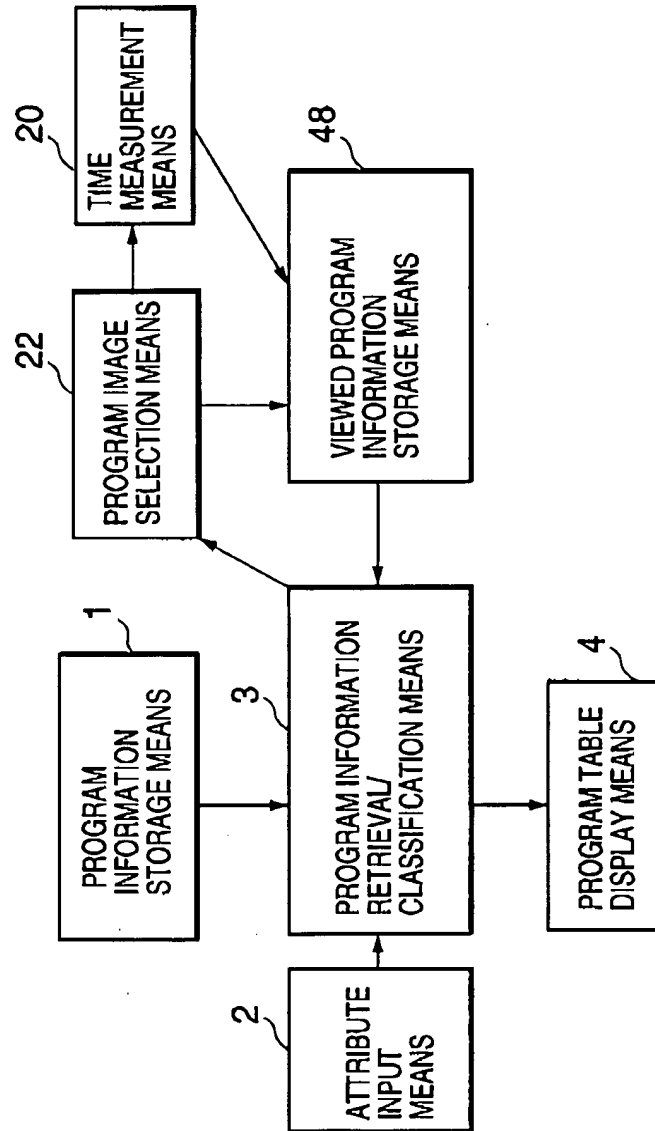
Diagram of a Recording or Recording Reservation Table (103) showing Channel (105) and Time (104) axes.

	CHANNEL 105					
	NHK	EDUCATION	NIHON TV.	TBS	138	
5						
6						
7						
8						
9						

Labels: 104 (TIME), 105 (CHANNEL), 103 (RECORDING OR RECORDING RESERVATION TABLE), 109 (shaded area), 139 (table header).

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FIG. 41



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FIG. 42A

104

TIME

	CHANNEL 105	DAY OF WEEK 107				
	NHK	EDUCATION	NIHON TV.	TBS	FUJI	103
5						
6						
7						
8						
9						

102

101

140

PROGRAM HAVING
EVER BEEN VIEWED

109

Detailed description: This figure shows a grid with time slots 5 through 9 on the vertical axis and five channels on the horizontal axis: NHK, EDUCATION, NIHON TV., TBS, and FUJI. The grid is labeled 101. Above the grid, there are labels for 'CHANNEL' (105) and 'DAY OF WEEK' (107). To the left of the grid is a label 'TIME' (104). Below the grid is a label '102' with a downward arrow. To the right of the grid, there is a box labeled 140 containing the text 'PROGRAM HAVING EVER BEEN VIEWED'. A line labeled 109 points to the grid area.

FIG. 42B

104

TIME

	CHANNEL 105	DAY OF WEEK 107				
	NHK	EDUCATION	NIHON TV.	TBS	FUJI	103
5						
6						
7						
8						
9						

102

101

140

PROGRAM HAVING
EVER BEEN VIEWED

Detailed description: This figure is similar to FIG. 42A, showing a grid of channels over time. However, some cells are shaded with diagonal lines to indicate programs that have been viewed. Specifically, the cell for EDUCATION at time 6 and the cell for TBS at time 7 are shaded. The grid is labeled 101. Above the grid, there are labels for 'CHANNEL' (105) and 'DAY OF WEEK' (107). To the left of the grid is a label 'TIME' (104). Below the grid is a label '102'. To the right of the grid, there is a box labeled 140 containing the text 'PROGRAM HAVING EVER BEEN VIEWED'.

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FIG. 43

09108506 070158

	1	2	3	4
COMPUTER	NHK; NATION STANDING ON ELECTRONICS	NHK EDUCATION PERSONAL COMPUTER SCHOOL	THE UNIVERSITY OF THE AIR; PERSONAL COMPUTER ANALYSIS	
DIVING	TV. ASAHI; AMAMI OSHIMA	NIHON TV.; SOUTHERN COUNTRY PARADISE		
MY TASTE	NHK EDUCATION; SCIENCE EYE	TBS; THE WORLD OF VOD		
PROGRAM VIEWED LAST TIME	NHK EDUCATION; TOGETHER WITH MAMMA	FUJI TV.; PONKIKKIES	TV. TOKYO; DORAEMON	

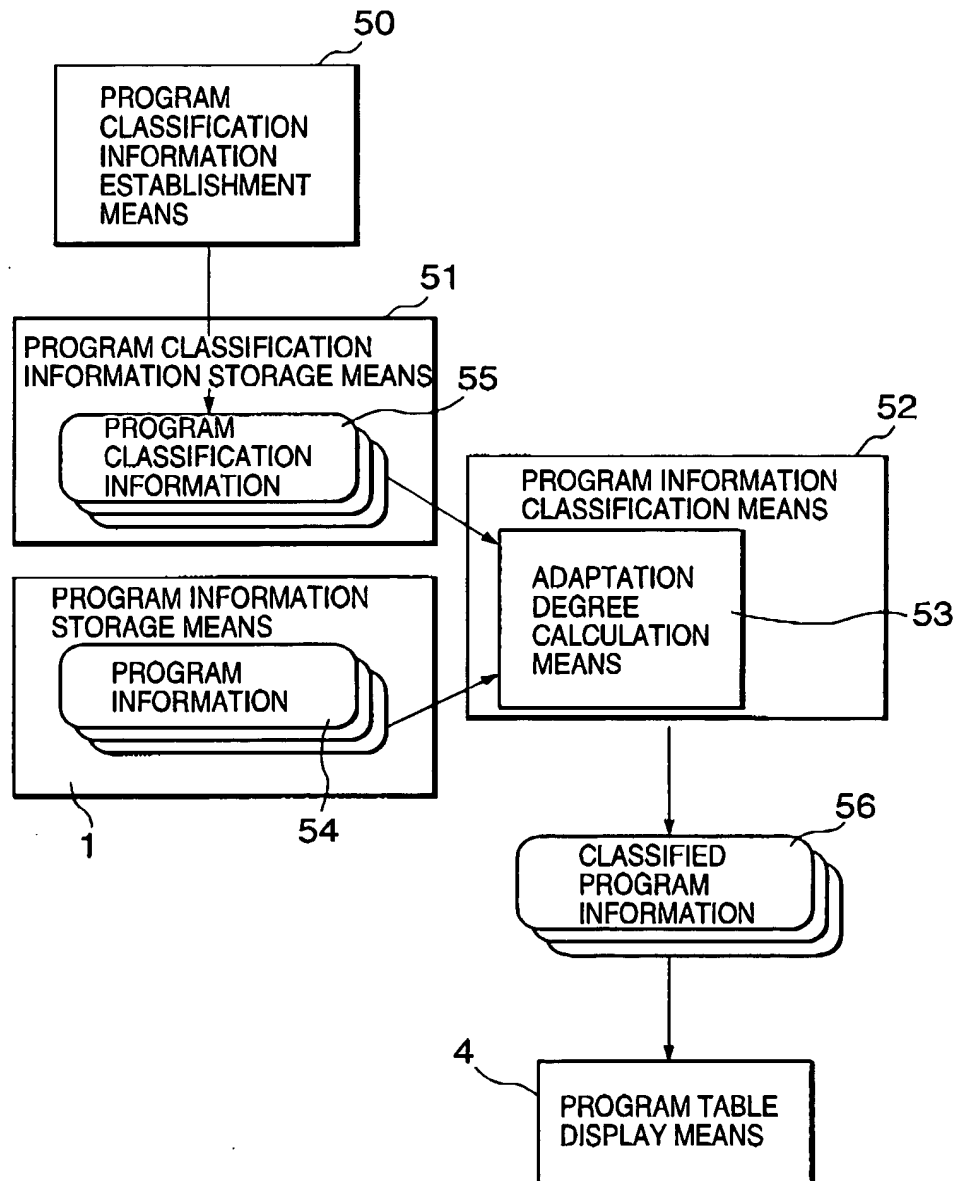
102

120

103

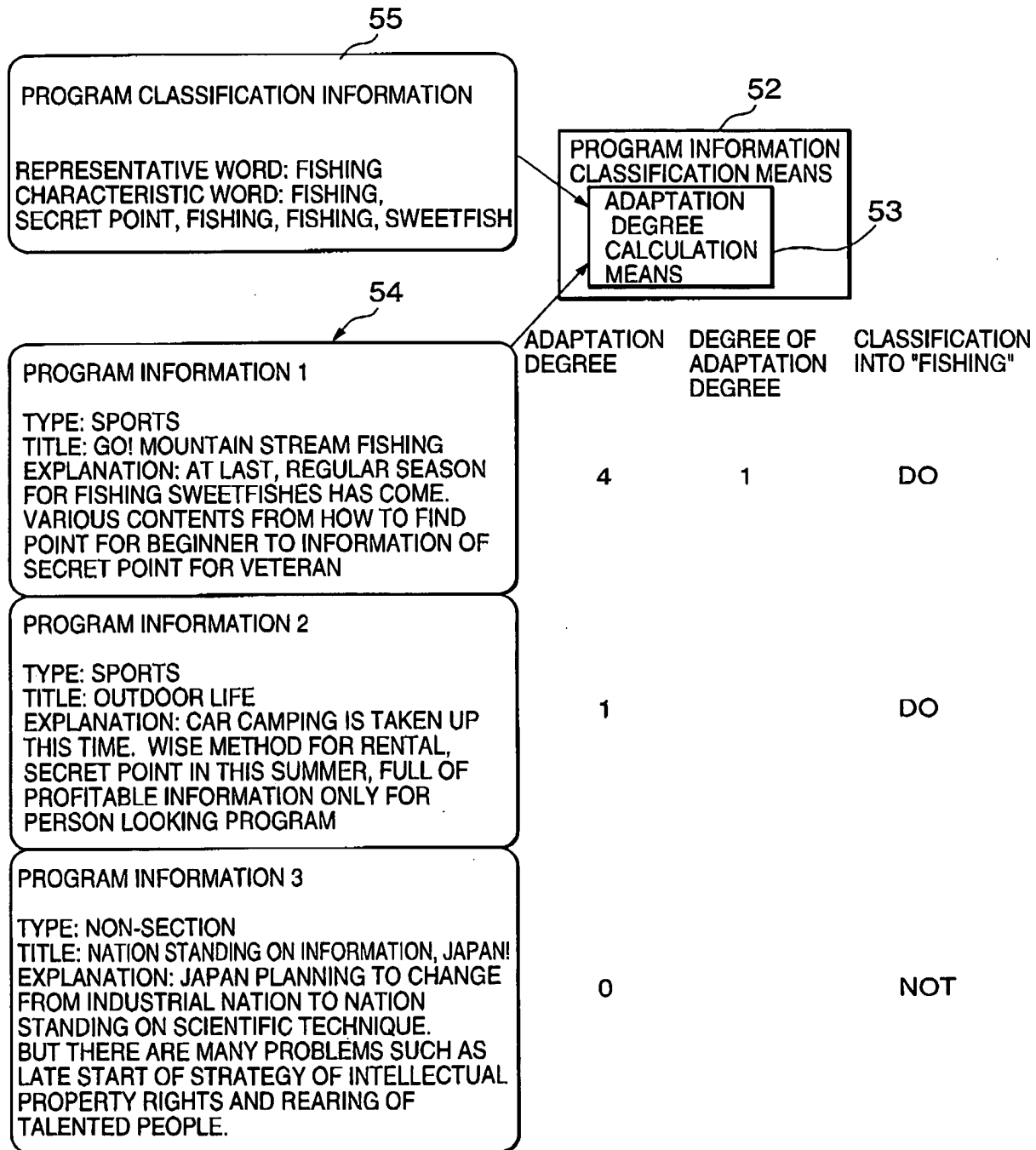
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FIG. 44

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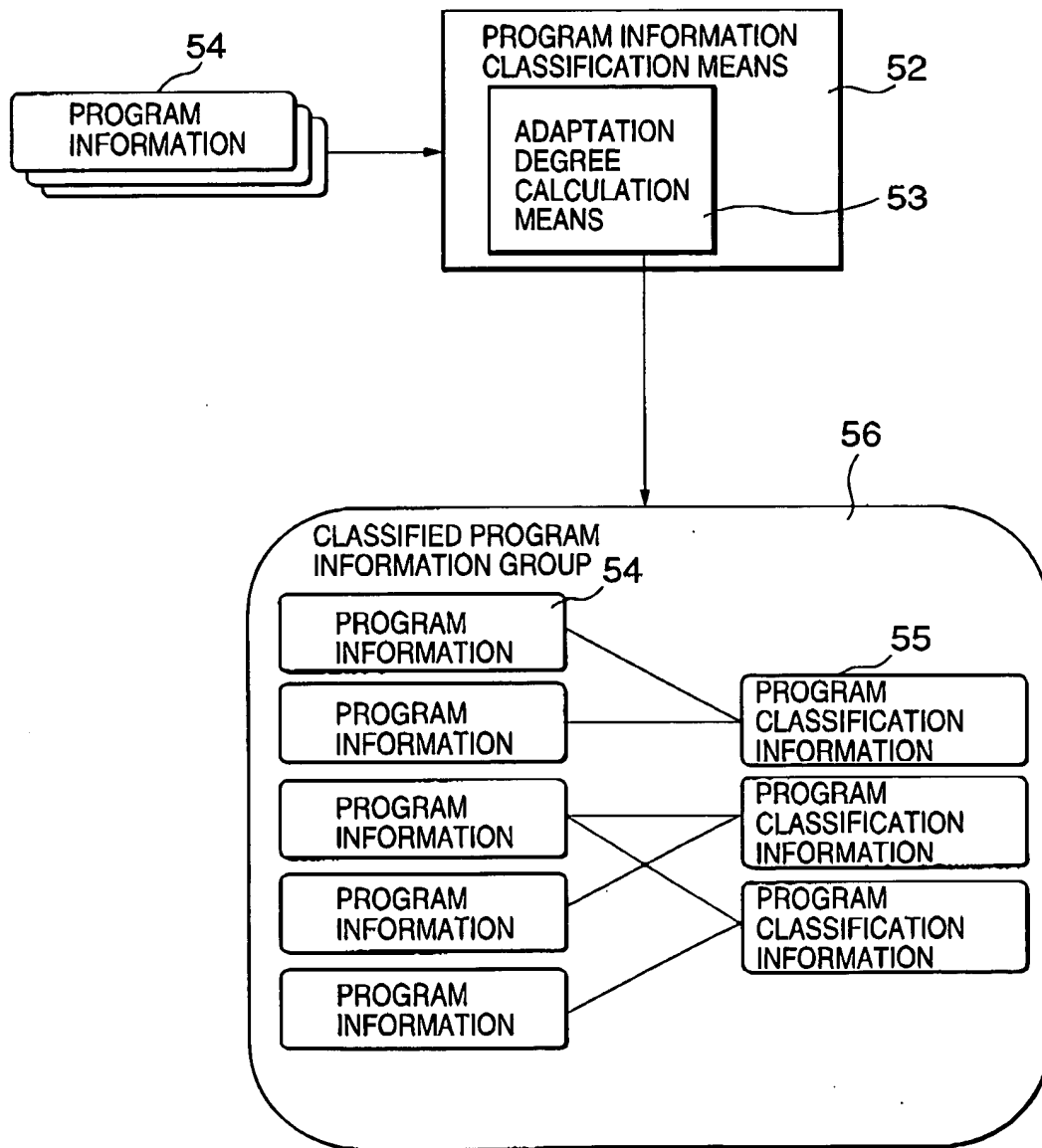
FIG. 45



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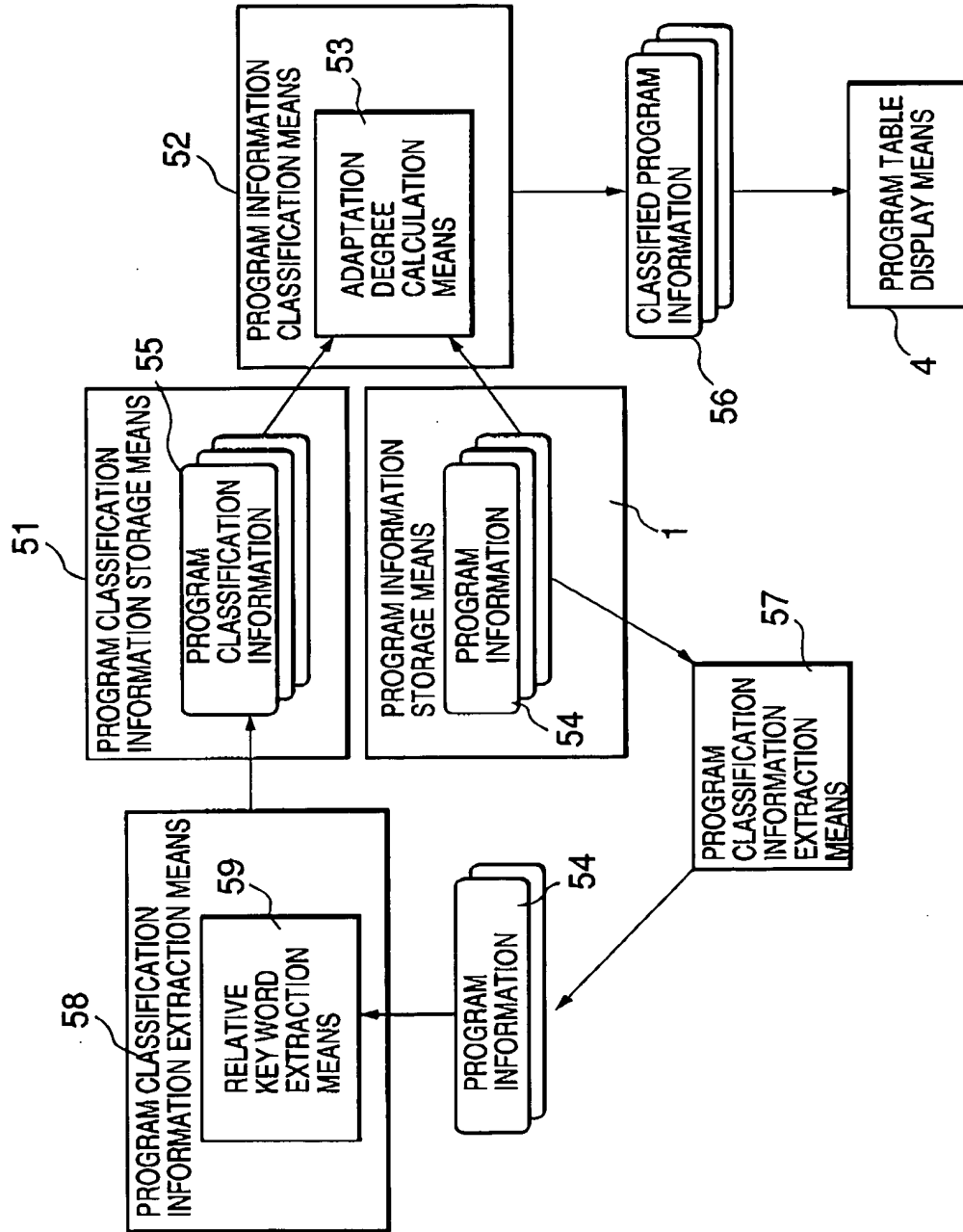
FIG. 46



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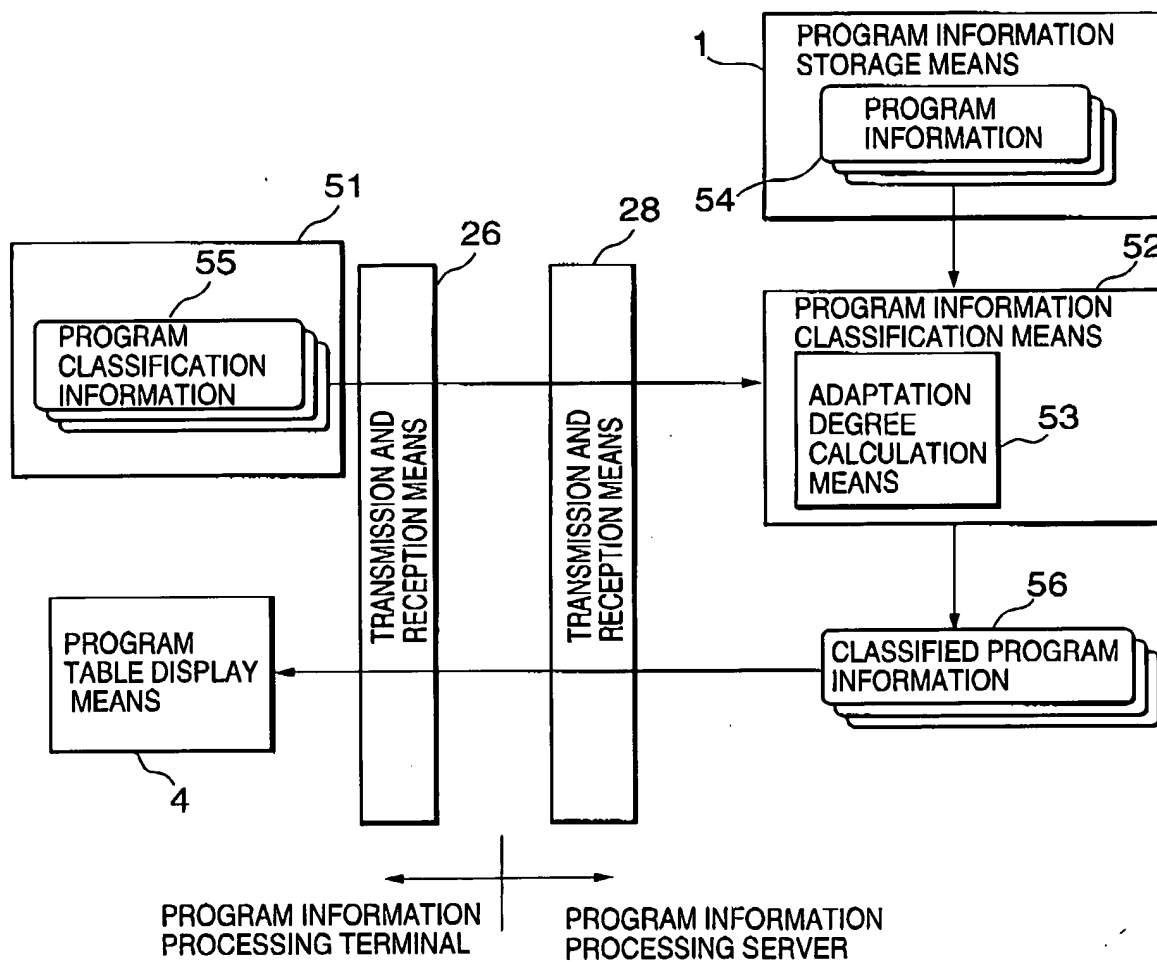
FIG. 47



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FIG. 48



09108506-07198